CONSTRUCTION NEWS

Supplement to ENGINEERING NEWS. New York, July 13, 1905.

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CONSTRUCTION NEWS.

PLANS AND SPECIFICATIONS ON FILE.

The following Plans (P.)., Specifications (S), and Bidding Sheets (B. S.) may be seen at the office of The Engineering News Publishing Co., 220 Broadway, New York:

Bids close	Work.	Place.	On file.	See issue.
July				
*7	Bridge	Reading, Pa	P. & S.	6-29
*6	Light plant, w.-w.	Arcanum, O.	P. & S.	6-29
*7	Conduit	Chicago, Ill.	P. & S.	6-15
*11	Paving, brick	Peekskill, N. Y.	S.	6-22
13	Chimney	Pensacola, Fla	S.	6-15
15	Coaling plant	Pensacola, Fla	S.	6-15
15	Paving	Boston, Mass	S.	6-29
15	Power house	Pensacola, Fla	S.	6-22
*17	Paving	Bridgeport, Conn	S.	6-29
*18	Paving brick, etc.	Oneonta, N. Y.	S.	7-13
*19	Bridge	Hartford, Conn	S.	7- 6
*19	Grading	Hartford, Conn	S.	7- 6
*19	Reservoir	Rochester, N. Y.	P., S. & B. S.	7- 6
*24	Gas plant	Ft. Wayne, Ind	S.	7- 6
*25	Sewerage system	Laurens, S. C.	S.	6-29
29	Dredging	Bremerton, Wash	S.	6-22
29	Grading & filling	N Orleans, La.	S.	7- 6
Aug.				
5	Joiner shop	Puget Sound, Wash.	S.	6-29
*8	Water-works	Columbia, S. C.	S.	6-29
*17	Dike	Los Angeles, Cal.	P. & S.	6-22
26	Coaling plant	Philippines	S.	5-4
Sept.				
1	Steel manufacture	New S. Wales	S.	3-23
—	Library	New Orleans, La.	S.	7- 6

*Work advertised in Engineering News.

NOTE.—We are desirous of securing specifications and bidding sheets (and plans when not too bulky) of pending work for file in our New York office for the benefit of contractors or others who may be interested in the work. If more sets than one are sent us we shall be pleased to distribute these to contractors who ask for them. When the work is advertised in Engineering News a note that the plans are filed with us will be added to the advertisement without cost.

LIST OF CONTRACTS PENDING.

Bids close. Work. Place. See issue.

LIGHT, HEAT AND POWER PLANTS

July 15. Power plant, Pensacola, Fla ..... June 22
July 20. Electric plant impvt., Fayetteville, N. C. ..... July 6
July 21. Conduit, ets., Kansas City, Mo ..... July 6
Advertised, Eng. News, July 6 and 13.
July 25. Electric light plant, Greenwood, Wis. ..... July 13
July 31. Light plant, Monroe, Ga ..... July 13
Advertised, Eng. News, July 13 and 20.
Aug. 24. Gas plant, Ft. Wayne, Ind ..... July 6
Advertised, Eng. News, July 6 and 13.
No date. Power dam, etc., Charlestown, W. Va. ..... June 29
Advertised, Eng. News, June 29 and July 6.

BRIDGES.

July 14. Bridges, Owen Sound, Ont ..... June 22
July 14. Arch, Cleveland, O ..... July 6
July 15. Bridge, Menominee, Wis ..... July 6
Advertised, Eng. News, July 6.
July 15. Bridges, Fargo, N. Dak ..... July 6
July 17. Bridge, Binghamton, N. Y ..... July 6
Advertised, Eng. News, July 6 and 13.
July 17. Bridges, steel, Birmingham, Ala ..... July 13
July 18. Bridges, Anderson, Ind ..... July 13
July 18. Concrete arches, Anderson, Ind ..... June 29
July 18. Bridges, Marietta, O ..... June 29
July 19. Bridge, substructure, Hartford, Conn. ..... July 6
Advertised, Eng. News, July 6.
July 19. Bridge, superastructure, Hartford, Conn. ..... July 6
Advertised, Eng. News, July 6.
July 20. Bridge, Charleston, W. Va ..... July 6
Advertised, Eng. News, July 6.
July 20. Bridge, Buffalo, N. Y ..... July 13
July 20. Bridges, Litchfield, Minn ..... July 13
July 21. Bridges, Stillwater, Okla ..... July 13
July 24. Bridge, steel, Bloomington, Neb ..... July 13
July 21. Bridge, Mt. Idaho, Idaho ..... July 6
July 27. Bridge, Dayton, O ..... July 13
July 28. Bridge, steel, Whitehall, Mich ..... July 13
Advertised, Eng. News, July 13 and 20.
July 29. Bridges, Cleveland, O ..... July 13
July 29. Bridge, steel, Denver, Colo ..... July 13
Advertised, Eng. News, July 13 and 20.
July 31. Concrete arches, Danville, Ind ..... July 13

BUILDINGS.

July 14. Building repairs, Buffalo, N. Y ..... July 6
July 14. School plans, Springfield, Mass ..... July 6
July 15. Jail, Ladysmith, Wis ..... June 22
July 15. Building, Pensacola, Fla ..... June 15
July 15. Garage, New York, N. Y ..... July 13
July 15. Building, Vicksburg, Miss ..... July 13
July 17. Foundation walls, etc., Baltimore, Md ..... July 13
July 17. School, Harshman, O ..... June 29
July 18. Schools, Youngstown, O ..... June 29
July 18. Buildings, Wahpeton, N. Dak ..... June 15
July 20. Court-house, Manhattan, Kan ..... June 29
July 20. Custom-house, San Francisco, Cal ..... June 8
Advertised, Eng. News, June 1 and 8.
July 20. Buildings, Washington, D. C ..... July 13
July 22. Hospital, New Orleans, La ..... June 15
Advertised, Eng. News, June 15 and 22.
July 24. Post-office, Fargo, N. Dak ..... June 22
Advertised, Eng. News, June 22 and 29.
July 24. School, Morning Sun, Ia ..... June 29
July 24. Plumbing, etc., Batavia, N. Y ..... July 13
Advertised, Eng. News, July 13 and 20.
July 24. Buildings, Sheridan, Wyo ..... July 13
July 25. Office building, Houston, Tex ..... July 13
July 25. Post-office, Muncie, Ind ..... June 22
July 26. Post-office, Spartanburg, S. C ..... June 22
July 27. Buildings, Fort Totten, N. Dak ..... June 29
July 27. Heating, etc., Kansas City, Mo ..... July 6
Advertised, Eng. News, July 6 and 13.
July 29. Jail, Newport, Ark ..... July 6
Advertised, Eng. News, July 6 and 13.
July 29. Buildings, West Point, N. Y ..... July 6
Advertised, Eng. News, July 6 to Aug. 3.
July 31. School, Cleveland, O ..... July 13
July 31. Heating and ventilating, Cleveland, O. ..... July 13
Aug. 1. Hospital, etc., Washington, D. C ..... July 13
Aug. 1. School, Port Arthur, Tex ..... July 6
Aug. 1. Library, Louisville, Ky ..... July 6
Aug. 1. Gymnasium, Washington, D. C ..... July 6
Aug. 2. Retaining wall, Cincinnati, O ..... July 13
Advertised, Eng. News, July 13 and 20.
Aug. 5. Joiner shop (Mfg. Plants), Puget Sound Wash ..... June 29
Aug. 7. Post-office, Adrian, Mich ..... June 29
Aug. 7. Building, Rome, N. Y ..... July 13
Advertised, Eng. News, July 13 to Aug. 3.
Aug. 9. Library, Bloomington, Ind ..... June 29
Aug. 9. Building, etc., Chicago, Ill ..... June 22
Aug. 10. Jail, Salem, Va ..... July 13
Advertised, Eng. News, July 13 and 20.
Aug. 14. Court-house, Cedartown, Ga ..... July 6
Aug. 16. Post-office, McKeesport, Pa ..... July 13
Advertised, Eng. News, July 13 and 20.
Aug. 17. Post-office, Burlington, Ia ..... July 13
Sept. 14. Hotel, Little Rock, Ark ..... July 6
Sept. 14. Hotel, Little Rock, Ark ..... June 22

WATER SUPPLY AND IRRIGATION.

July 14. Deep well, Kewanee, Ill ..... July 6
Advertised, Eng. News, July 6.
July 17. Water-works, Bishopville, S. C ..... June 8
Advertised, Eng. News, June 22 to July 20.
July 17. Water mains, San Bernardino, Cal ..... July 13
July 18. Mains, reservoir, Havre, Mont ..... June 22
July 19. Pumps, engines, etc., Washington, D. C. ..... June 22
July 19. Pumps, New York, N. Y ..... June 29
July 19. Reservoir, Rochester, N. Y ..... July 6
Advertised, Eng. News, July 6 and 13.
July 19. Remodeling pumping pl't, N. York, N. Y. ..... July 13
July 20. Water-works, Ft. Pierre, S. Dak ..... July 13
Advertised, Eng. News, July 13.
July 22. Water-works, Winside, Neb ..... July 13
July 25. Water pipes, Cleveland Heights, O ..... July 13
July 28. Valves, Cincinnati, O ..... July 13
Aug. 1. Water-works, Cincinnati, O ..... July 6
Advertised, Eng. News, July 6 to 27.
Aug. 7. Pumping plant, Winnipeg, Man ..... July 6
Advertised, Eng. News, July 6 to 20.
Aug. 7. Filter plant, St. Cloud, Minn ..... July 13
Aug. 8. Water-works, Columbia, S. C ..... June 29
Advertised, Eng. News, June 29 to July 27.

SEWERAGE.

July 15. Sewer, Youngstown, O ..... July 13
July 17. Sewer, Albany, N. Y ..... July 13
July 17. Sewerage system, Groton, S. Dak ..... June 29
July 17. Sewers, Westfield, Mass ..... June 29
Advertised, Eng. News, June 29.
July 17. Sewers, New Britain, Conn ..... July 6
Advertised, Eng. News, July 6 and 13.
July 17. Sewers, West Lafayette, Ind ..... July 6
July 17. Sewer, Washington, D. C ..... July 6
July 17. Sewers, Corinth, Miss ..... July 6
July 18. Sewers, Oconto, Wis ..... July 13
July 18. Sewers, Summit, N. J ..... July 13
Advertised, Eng. News, July 13.
July 18. Trunk sewer, Lebanon, O ..... July 13
July 19. Sewers, Beloit, Wis ..... July 6
July 19. Sewers, Brooklyn, N. Y ..... July 13
July 20. Sewer, Seymour, Ind ..... July 13
July 21. Sewers, Mauston, Wis ..... July 13
July 21. Sewer, Utica, N. Y ..... June 15
Advertised, Eng. News, June 15 to July 20.
July 22. Sewers, Ogden, Utah ..... June 29
July 24. Sewage, Washington, D. C ..... July 6
Advertised, Eng. News, July 6 and 13.
July 24. Sewers, Marietta, O ..... July 13
July 25. Sewers, brick, Huntington, Ind ..... July 13
July 25. Sewers, Tampa, Fla ..... July 6
Advertised, Eng. News, July 6 to 27.
July 25. Sewers, Laurens, S. C ..... June 29
Advertised, Eng. News, June 29 to July 20.
July 27. Sewers, Cincinnati, O ..... July 13
Aug. 1. Sewers, Lake Placid, N. Y ..... July 13
Advertised, Eng. News, July 13 and 20.
Aug. 1. Sewer, Washington, D. C ..... July 6
Advertised, Eng. News, July 6 to Aug. 3.
Aug. 5. Sewers, Alliance, O ..... June 29
Aug. 8. Sewers, West Point, N. Y ..... July 13
Advertised, Eng. News, July 13 to Aug. 10.
No date. Sewer, North Platte, Neb ..... June 29
Advertised, Eng. News, June 29.

STREETS AND ROADS.

July 14. Paving and curbing, Clarinda, Ia ..... June 29
Advertised, Eng. News, June 29.
July 14. Paving, Boston, Mass ..... July 13
July 15. Paving, Wheeling, W. Va ..... July 13
July 15. Grading, Granby, Conn ..... July 13
July 15. Paving, Youngstown, O ..... July 13
July 15. Paving, Newark, O ..... July 13
July 15. Road, Crown Point, Ind ..... June 29
July 15. Paving, Boston, Mass ..... June 29
July 15. Paving, vitrified brick, Seattle, Wash ..... July 6
July 17. Roads, St. Paul, Minn ..... July 6
July 17. Paving, asphalt, Mt. Vernon, Ind ..... July 6
July 17. Macadamizing, Delaware, O ..... July 6
July 17. Paving, Bridgeport, Conn ..... June 29
Advertised, Eng. News, June 29 and July 6.
July 17. Road, Jersey City, N. J ..... July 13
July 17. Walks, brick, Meridian, Miss ..... July 13
July 17. Cement walks, etc., Middletown, O ..... July 13
July 17. Roads, Warren, O ..... July 13
July 17. Sidewalks, Montgomery, Ala ..... July 13
July 18. Paving, Waterbury, Conn ..... July 13
July 18. Walks, McKees Rocks, Pa ..... July 13
July 18. Paving, brick, Oneonta, N. Y ..... July 13
Advertised, Eng. News, July 13.
July 18. Paving, brick, East St. Louis, Ill ..... July 13
July 18. Walks, Watervliet, N. Y ..... July 13
July 19. Macadamizing, Hohokus, N. J ..... July 13
Advertised, Eng. News, July 13.
July 19. Paving, etc., Brooklyn, N. Y ..... July 13
July 19. Grading, Hartford, Conn ..... July 6
Advertised, Eng. News, July 6.
July 20. Stone, Washington, D. C ..... June 22
Advertised, Eng. News, June 22 to July 20.
July 20. Paving, Columbus, Ind ..... July 13
Advertised, Eng. News, July 13.
July 20. Paving, Port Clinton, O ..... July 13
July 20. Walks, Seymour, Ind ..... July 13
July 21. Paving, Buffalo, N. Y ..... July 13
July 21. Paving, brick, Creston, Ia ..... July 6
July 22. Paving, Des Moines, Ia ..... July 13
July 24. Macadamizing, Flemington, N. J ..... July 6
July 25. Paving, vitrified brick, Tampa, Fla ..... July 6
Advertised, Eng. News, July 6 to 27.
July 25. Crushed stone, Wilmington, N. C ..... July 6
July 26. Walks, Lincoln, Ill ..... July 6
July 26. Paving, Hoboken, N. J ..... July 13
July 27. Paving, Cincinnati, O ..... July 13
July 27. Roads and walks, Ft. De Soto, Fla ..... July 6
July 27. Paving, Rhinelander, Wis ..... July 6
July 27. Paving, Xenia, O ..... June 29
July 28. Paving, asphalt, Akron, O ..... July 13
July 29. Grading and filling, New Orleans, La ..... July 6
July 31. Road, Monticella, Ind ..... July 13
Aug. 1. Paving, Elizabeth, N. J ..... July 13
Aug. 3. Paving, Springfield, Mass ..... July 13
Advertised, Eng. News, July 13 and 20.
Aug. 4. Macadam road, Washington, D. C ..... July 13
Advertised, Eng. News, July 13 to Aug. 10.
Aug. 5. Paving, brick, Washington, D. C ..... July 13
Aug. 7. Roads, Martinsville, Ind ..... July 13
Aug. 8. Paving, Shreveport, La ..... June 29
Advertised, Eng. News, June 29 to Aug. 10.
No date. Graveling, Grand Rapids, Mich ..... June 29
No date. Cement walks, Osceola, Ia ..... June 29

MISCELLANEOUS CONTRACTS.

July 14. Dredging, Boston, Mass ..... June 15
Advertised, Eng. News, June 15 to July 13.
July 14. Dredging, Mobile, Ala ..... June 22
Advertised, Eng. News, June 22 to July 20.
July 14. Telephone apparatus, Washington, D. C ..... July 6
July 14. Pier, New York, N. Y ..... July 13
July 15. Pitch, oil, etc., Washington, D. C ..... July 6
July 15. Brick chimney, Pensacola, Fla ..... June 15
July 15. Coaling plant, Pensacola, Fla ..... June 15
July 17. Valves, steam whistles, etc., Wash., D. C. ..... June 15
Advertised, Eng. News, June 15 to July 13.
July 17. Railway construction, Africa ..... Apr. 27
July 17. Wire, rope, etc., Memphis, Tenn ..... June 22
Advertised, Eng. News, June 22 to July 20.
July 17. Dredging, Philadelphia, Pa ..... June 22
Advertised, Eng. News, June 22 to July 20.
July 18. Supplies, Washington, D. C ..... July 22
July 18. Steel, Washington, D. C ..... June 22
July 18. Track bolts, spikes, etc ..... June 22
July 18. Lamps, wire, motors, etc., Wash., D. C ..... June 29
July 18. Ties, rails, spikes, etc., Washington, D. C. ..... June 29
July 20. Dredging, Norfolk, Va ..... June 29
Advertised, Eng. News, June 29 and July 13.
July 20. Wreck removal, Charleston, S. C ..... June 22
Advertised, Eng. News, June 22 to July 20.
July 20. Dredging, Hawaii ..... June 22
Advertised, Eng. News, June 22 to July 27.
July 20. Rubber hose, New York, N. Y ..... July 13
July 21. Sweeping machines, New York, N. Y ..... July 13
July 21. Machinery, Pittsburg, Pa ..... June 29
July 22. Dredging, Boston, Mass ..... June 29
Advertised, Eng. News, June 29 to July 27.
July 24. Excavation, etc., Portland, Ore ..... June 29
Advertised, Eng. News, June 29 to July 27.
July 24. Destructor, Washington, D. C ..... June 29
Advertised, Eng. News, June 29 to July 27.
July 25. Dredging, Chicago, Ill ..... June 29
Advertised, Eng. News, June 29 to July 27.
July 26. Garbage collection, Hoboken, N. J ..... July 13
July 27. Channel, Boston, Mass ..... July 13
July 27. Barges, Washington, D. C ..... June 29
Advertised, Eng. News, June 29 to July 27.
July 29. Cement, sand, tile, etc., Wash., D. C ..... June 29
July 29. Dredging, Bremerton, Wash ..... June 22
July 29. Grading and filling, New Orleans, La ..... July 6
July 31. Cement, Glendive, Mont ..... July 6
Advertised, Eng. News, July 6 to 27.
July 31. Steel lock gates, Pittsburg, Pa ..... July 6
Advertised, Eng. News, July 6 to 27.
July 31. Air compressors, etc., Washington, D. C. ..... July 6
Advertised, Eng. News, July 6 to 27.
July 31. Wharf, etc., Detroit, Mich ..... July 6
July 31. Concrete, ry. wk., Florida East Coast Ry. ..... June 22
Advertised, Eng. News, June 22 to July 27.
Aug. 1. Spikes, nails, etc., Washington, D. C ..... July 6
Aug. 1. Light-house, Mobile, Ala ..... July 6
Advertised, Eng. News, July 6 to 27.
Aug. 2. Dredging, Savannah, Ga ..... July 6
Advertised, Eng. News, July 6 to 27.
Apr. 2, 1906. Port works, Chile ..... Apr. 27
Advertised, Eng. News, Apr. 27 to Jan 25.
Aug. 3. Dredging, Norfolk, Va ..... July 6
Advertised, Eng. News, July 6 to 20.
Aug. 17. Dike, Los Angeles, Cal ..... June 22
Advertised, Eng. News, June 22 to Aug. 3.
Aug. 21. Steel bars, Glendive, Mont ..... July 13
Advertised, Eng. News, July 13 to Aug. 3.
Aug. 26. Coaling plant, Philippines ..... May 4
Aug. 28. Canal, Montrose, Colo ..... July 13
Advertised, Eng. News, July 13 to Aug. 3.
Sept. 1. Steel manufacture, New South Wales ..... Mar. 23
Advertised, Eng. News, Mar. 30 to June 29.
Sept. 5. Dam, Billings, Mont ..... July 13
Advertised, Eng. News, July 13 to Aug. 3.
Sept 6. Tunnel, Billings, Mont ..... July 13
Advertised, Eng. News, July 13 to Aug. 3.
Nov. 1. Railroads, Philippines ..... June 15

RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

ATLANTA, DOTHAN & GULF.—W. S. WILSON, of Dothan, Ala., has been awarded contract for grading this railway for about 30 miles.

BEAUMONT, SOUR LAKE & WESTERN.—This railway has been recently acquired by the "Frisco" interests. It is proposed to extend it at once from Sour Lake, Tex., west to a connection with the extension of the Trinity & Brazos Valley Railway from Mexia, to a point at or near Houston, about 65 miles. Preliminary surveys have been made. Location is being made for the Trinity & Brazos Valley Ry. from Mexia to Houston. Contracts will be let soon. R. C. Welles is Gen. Mgr., Beaumont, Sour Lake & Western Ry., at Beaumont Tex., and R. C. Duff, Secy.

BEAUMONT & GREAT NORTHERN.—It is reported that contracts have been let for the construction of 20 miles of its line from Trinity to Onalaska, Tex. This road was recently chartered to build from Trinity to Livingston, Tex., about 37 miles. A branch line from Groveton to Onalaska, about 15 miles, is also proposed. Wm. Carlisle is Pres., and J. T. Sloan, Ch. Engr., at Trinity, Tex.

CALIFORNIA NORTHWESTERN. — We are informed that this railway, recently incorporated, will be 110 miles long. A. H. Naftzger, 504 Merchants' Exchange, San Francisco, Cal., is Pres.

CALIFORNIA WESTERN RY. & NAVIGATION CO.—Company is to be incorporated, under this title, to build a railroad in Mendocino County, with terminus at Fort Bragg, Cal. It will be 65 miles long. W. P. Plummer, of San Francisco, is promoting the project. Duncan McNee, Miles W. McIntosh, Charles H. Weller, H. M. Cochran and Max Goldberg are named as incorporators. Capital stock will be $1,000,000. Frank Trumbull, Pres. of the Colorado & Southern Ry., at Denver, Colo., will be President of the new company.

CANADIAN PACIFIC.—This company, which recently purchased the Esquimalt & Nanaimo Railway system between Victoria and Wellington, B. C., has announced that survey parties would at once be placed in the field looking to the extension of the line to the north end of Vancouver Island.

COLUMBIA SOUTHERN.—It is reported that an extension, 50 or 60 miles long, may be built south from Shaniko, Ore. E. E. Lytle is Pres. and Gen. Mgr., at Portland, Ore.

GULF, TEXAS & NORTHERN.—It is proposed to extend this line from Logansport to Sabine Pass, Tex., 160 miles, and also from Logansport to Alexandria, 100 miles.

HOUSTON & TEXAS CENTRAL.—Company will file an amendment to its charter, providing for the construction of a line from Mexia, south to near Navasota, Tex., about 100 miles. This line will be in the nature of a "cut-off" between the points named. It is stated that the surveys have been completed. G. F. Hawks is Gen. Supt. and I. A. Cottingham, Ch. Engr., at Houston, Tex.

KANSAS CITY, MEXICO & ORIENT.—Contracts have been awarded for grading, in sections of five miles each, from San Angelo to Sweetwater, Tex., as follows: R. A. REED, of Oklahoma City, Okla.; the O'DONNELL CONSTRUCTION CO., of Thomas, Okla.; T. E. LUTTGERDING, of Eldorado, Kan.; and W. J. PITMAN, of San Angelo. Col. T. Yates Walsh is in charge, at San Angelo, Tex.

LORAIN & ASHLAND COMPANY has been incorporated by J. W. Patterson, W. P. Ramsey, W. E. Griffiths, E. C. Morton and R. J. O'Dell. The charter grants the company right to build and operate a railroad by steam or other power between Lorain, O., and Ashland. The headquarters will be at Ashland, O.

MADISONVILLE, HARTFORD & EASTERN.—This company has been incorporated in Kentucky by H. H. Holeman, George R. Lynn and W. P. Ross, of Madisonville, Ky.; J. W. Ford, Rowan Holbrook, John T. Moore and R. E. Lee Simmerman, of Hartford. The principal place of business will be Hartford, Ky. J. W. Ford will be Pres. The company will construct a standard-gage railroad from Madisonville, through Hopkins, Muhlenberg, McLean and Ohio counties via Hartford to Mitchell's Station.

MICHIGAN CENTRAL.—We are informed that the construction of the Detroit tunnel line from Windsor, Ont., to West Detroit yard, Mich., including its electrification, is placed in charge of an advisory board of engineers consisting of William J. Wilgus, Vice-Pres. of the N. Y. C. & H. R. R. R., Howard Carson, Consulting Engr., and W. S. Kinnear, Ch. Engr. of the Tunnel Co. The Chief Engineer will be in direct charge of construction, reporting to H. B. Ledyard, Chn. of the Board of Directors, on executive and financial matters, and to the Board of Advisory Engineers as to plans, specifications and methods of doing the work. Noted fully on June 22.

MAINE CENTRAL.—We are advised that NATHAN S. BROCK, 82 Savin St., Roxbury, Mass., has been awarded contract for relocation of the Washington County division of the Maine Central at Spragues Falls.

NEW PARK & FAWN GROVE.—Contract has been awarded to John H. Dobling, of York, Pa., for grading and laying tracks for this company's line from Stewartstown to Fawn Grove.

OKLAHOMA NORTHWESTERN.—W. T. Peace, Treas. of the Northwestern Townsite & Development Co., Elk City, Okla., states that this railroad has secured right-of-way from Doxey, Okla., northwest for 100 miles. Construction probably will begin soon.

PENNSYLVANIA RY. (Lines west of Pittsburg.)—Robert Trimble, Ch. Engr. M. W., of the Northwest System, at Pittsburg, will receive bids until July 15, for elimination of grade-crossings in Cleveland, O. Contracts will include grading and masonry.

PORTLAND, NEHALEM & TILLAMOOK.—Contract for construction of this railroad has been let to the ATLAS CONTRACT & SUPPLY CO., of San Francisco, Cal. Right-of-way is secured. George L. Davis is Ch. Engr., at Portland. John McCracken is Pres.

TRINITY & BRAZOS VALLEY.—Surveys are being made for an extension of the Trinity & Brazos Valley Railway from Mexia or Coolidge, Tex., north, via Ennis and Waxahatchie, to Dallas, about 80 miles. R. H. Baker is Vice-Pres. and Gen. Mgr., at Austin, Tex.

TERRY COAL & COKE CO.—R. E. Cooper, Pres., Hopkinsville, Ky., is reported to have announced that "a new railroad is desired to connect Hopkinsville with the Terry coal fields, 16 miles north, and that it is desired to get in touch with reliable parties who will finance the proposition. The company wishes either an electric or steam road, according to the best advantage."

TIDEWATER & WESTERN.—The Tidewater & Western Railroad Co. has been chartered at Richmond, Va., to succeed the Farmville & Powhatan Railroad Co., according to a report from Richmond. Thomas F. Jeffress is Pres.; G. M. Wilson, Secy. and Treas.; T. R. M. Talcott, Gen. Mgr. Mr. Talcott was receiver of the Farmville & Powhatan Railroad, and Mr. Wilson was its secretary and treasurer. The Farmville & Powhatan was recently sold at auction by order of the court, and was purchased by W. M. Habliston and associates, as noted on June 15. Mr. Habliston is Pres. of the National Bank of Virginia, and among those associated with him in the new board of directors are President Jeffress, John S. Ellett, H. W. Anderson, L. L. Lewis, James N. Boyd and J. B. Beasley. The Farmville & Powhatan Railroad is a narrow-gage line, 89 miles long, from Farmville, Va., to Bermuda Hundreds, Va., with a branch three miles long to Winterpock. Its charter gives it the right to build branches up to 50 miles in length or to extend its line to the Virginia and Tennessee boundaries. It is said that the line may be extended to Danville and Lynchburg.

TIDEWATER RY.—Raymond Du Puy, Gen. Mgr., Norfolk, Va., has awarded contract for 250,000 cu. yds. of rock ballast to be placed on the Deepwater Ry., which is the West Virginia connection of the Tidewater, to FULLER & PORTER, of Oklahoma City, Okla.

VIRGINIA.—We are informed that a company is being incorporated at Staunton, Va., to build a railroad for freight and passengers southeast from Staunton toward Newport and Rockbridge Baths. The road will probably be operated either by steam or by gasoline motor cars.

ELECTRIC RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

NORWICH, CONN.—The Norwich, Jewett City & Voluntown Street Ry. Co. will make immediate arrangements to build its line, it is reported. The company has capital stock of $700,000. It is authorized to construct a street railway from Norwich across the town of Preston to the borough of Jewett City, and also through Preston and the town of Voluntown to Beach Pond on the boundary line between Connecticut and Rhode Island. The charter gives the company broad power in the matter of carrying freight as well as passengers. The incorporators are Lucius Brown, A. H. Potter, A. H. Chase, W. A. Smith, D. A. Hough, C. J. Winters, C. H. Brown, N. B. Allen, J. F. Richardson and J. A. Doane.

GLEN COVE, N. Y.—The Glen Cove R. R. Co. may extend its line to Sea Cliff. Right-of-way will be secured.

ROME, N. Y.—We are informed that little has been done toward building the Rome & Oneida Electric Ry. line from Oneida to Rome via Verona, except securing right-of-way. It will be 12 miles long. J. F. Hadcock, Oneida, N. Y., is Pres. Noted fully on May 11 and May 18.

READING, PA.—M. M. Dreilbelbis & Co., 546 Court St., are engineers for the 14-mile railway to be built from Reading to Bernville for the Reading & Bernville Traction Co. Plans will be prepared by engineers.

SHAMOKIN, PA.—The Shamokin & Edgewood Street Ry. Co. will build an extension to Sunbury. Monroe H. Kulp is Gen. Mgr. and J. Reed, Supt., at Shamokin. Company now operates five miles of line.

JOHNSTOWN, PA.—Application will be made on July 19 for a franchise for the Johnstown & Ebensburg St. Ry. Co. It is planned to begin construction soon on railway between these points. John G. Gilbert, James C. Thompson, Jacob T. Snyder, W. S. Tunis and Edward Halbert are interested.

BALTIMORE, MD.—It is planned by the Baltimore, Sparrows Point & Chesapeake Ry. Co. to build an extension to North Point from Sparrows Point, about five miles distant. At North Point, on Chesapeake Bay, a resort similar to Coney Island may be established. D. B. Banks, Continental Trust Bldg., is Ch. Engr. Bids have been taken for this work. The CONSTRUCTION ENGINEER CO., of Baltimore, is said to have been awarded contract.

The Baltimore & Belair Electric Ry. Co. will continue its line from Carney to Belair. It is now in operation from Hamilton (Baltimore post-office) to Carney, 3¼ miles. Estimated cost of this extension is $350,000. Stock has been subscribed. J. Alexis Shriver, Belair, is Gen. Mgr. and Purchasing Agt.

LEWISBURG, W. VA.—Survey is being made for the Lewisburg & Ronceverte Electric Ry. The railway will run from Lewisburg to Ronceverte, both in Greenbrier County. Contracts will be let soon. C. P. Barnett, Covington, Va., is Ch. Engr. D. C. T. Davis, Jr., of Lewisburg, is Pres.

BILTMORE, N. C.—J. W. Wofford, Secy. Appalachian Interurban R. R. Co., Hendersonville, N. C., writes us that no surveys have been made for proposed line. Elections for bonds will be held in August in the townships and counties through which the railway will pass. After these elections survey will be made and contract let. W. A. Smith, of Hendersonville, is Pres. As planned, the railway, the motive power of which is not yet decided, will be 65 miles long, extending through Biltmore, Mills River, Horseshoe, Batcave, Chimney Rock, Columbus and Gaffney, S. C.

ROME, GA.—The City Electric Railway Co. has been granted authority by council to improve its line at cost of $10,000. H. E. Bailey is Ch. Engr.; C. N. Fuller is Mgr.

MAGNOLIA, MISS.—We are advised that survey is completed for the Magnolia & Summit Electric Ry. line from Magnolia to Summit and McComb City via Fernwood and Whitetown, eleven miles. J. H. Price, of Magnolia, is Pres. Subscription to stock not opened. Capital for construction has not been secured or sought yet.

NASHVILLE, TENN.—J. H. Connor, Pres. Nashville & Huntsville Ry. Co., Nashville, advises us that engineers are in the field running lines for the electric railway which this company will build. It will extend from Nashville, through Shelbyville, Tenn.; Huntsville, Birmingham and Montgomery, Ala., to Pensacola, Fla., 420 miles. Right-of-way is obtained. Generous aid from counties and towns on the proposed line has been secured. Noted on June 15. Daniel Brown, of Nashville, is Ch. Engr.

SHELBYVILLE, KY.—The Shelbyville & Ohio River Electric R. R. Co. has been incorporated. The line will be about 30 miles long. It will be built from Shelbyville to Milton. Right-of-way is secured and surveys made.

MAYFIELD, KY.—We are informed that the old Cairo & Tennessee River Ry. Co. has been revived and an engineering corps placed in the field to locate a route between Fort Jefferson and Mayfield. Other lines will be run before a decision is made. As Mayfield is south of a direct route to Cumberland Gap a line will be located running north of Mayfield six or eight miles. It is probable that selected route will be via Viola. Contracts will be let in next 60 or 90 days. B. A. Nevle, Mayfield, is Pres., and Hood Tucker, Ch. Engr.

CLEVELAND, O.—We are informed that the Roberts & Abbott Co., 1123 Schofield Bldg., Cleveland, is Engr. for the recently chartered Cleveland, Ashland & Mansfield Traction Co., for which survey will be run for proposed line from Mansfield through Richland, Ashland and Medina Counties. Capital stock will be increased to $800,000.

EVANSVILLE, IND.—The Evansville & Princeton Traction Co. has mortgaged its right-of-way, rolling stock and other property to the American Trust & Savings Co., of this city, for $700,000. The money is to pay off the outstanding indebtedness of the company, and to provide $300,000 additional for the construction of new lines and the ballasting of the roadbed, besides making other improvements. The title of the Co. will be changed from the Evansville & Princeton Traction Co. to The Traction Company. W. P. Lacey, at Princeton, is Gen. Mgr.; Charles Small, at Fort Branch, is Ch. Engr.

HUNTINGTON, IND.—We are informed that survey is in progress for the electric railway from Huntington to South Bend for the Huntington, Columbia City & Northwestern Ry. Co. The line will be 62 miles long. From Huntington it will pass through Columbia City, North Webster, Syracuse, Benton and Goshen. Right-of-way all secured and subsidies voted. Franchises have been granted. Bids will be received for construction on or before Sept. 1. The American Engineering Company, Traction Terminal Bldg., Indianapolis, is Engr., and may be addressed. Benjamin Raupfer is Pres. and John A. Shofer, Ch. Engr. of Railway Co., at Columbia City, Ind.

INDIANAPOLIS, IND.—We are advised that profiles are completed for the Indianapolis & Chicago Air Line Traction Co.'s railway. It will be 171 miles long. Construction will begin in August. J. A. Shofer, Tracton Terminal Bldg., Indianapolis, is Ch. Engr. See item in issue of June 22.

LANSING, MICH.—We are advised that surveys are all made for the Lansing & Battle Creek Traction Co. It will be 48 miles long. From Battle Creek the line will run through Bellevue, Olivet, Charlotte and Potterville, into Lansing. Contracts are not yet let. A. R. Putnam, of Valparaiso, Ind., is Pres. The Engr. is the Roberts & Abbott Co., Schofield Bldg., Cleveland, O.

GRAND RAPIDS, MICH.—Jeremiah Boynton, of Grand Rapids, is promoting a project to build the Grand Rapids Electric Railroad Co.'s line from Grand Rapids to Alpena via Edmore and Winn and Grand Haven. Company is capitalized at $2,000,000.

DECATUR, ILL.—The United States Construction Co. has been incorporated in Illinois to construct an electric railroad from Decatur, via Taylorville, Mechanicsburg, Springfield, Petersburg and Mount Sterling, to Quincy. The incorporators and first board of directors are: Geo. M. Skelley, John E. Melick, James S. Sutton, Charles F. Bisch and Cyrus Farrow. The right-of-way from Springfield to Petersburg has been secured. It is said that construction work will begin at once.

WOODWARD, IA.—The [illegible] Urban Ry. Co. will build an extension [illegible] Woodward to Boone. H. H. Polk, Des [illegible], is Pres. and Mgr.

CHICKASHA, IND. T.—We [illegible] advised that a 25-year franchise has been [illegible]ted to the Chickasha Traction Co. to b[illegible] 12 miles of railway line in this city. T[illegible]rantees are Julius E. Wright, S. Howard [illegible]h and J. A. Bohart. Company will be [illegible]porated at once. A bond of $5,000 has [illegible] deposited. Company will now receive [illegible] for engineering and construction.

HOLLISTER, CAL.—A fra[illegible]e for an electric road from the Santa [illegible]z County line via San Juan to Holli[illegible] has been awarded to J. C. Kemp Van [illegible]. Bond for $10,000 is to be filed. Work [illegible] the road must be commenced within fo[illegible] months and the road must be completed [illegible]thin three years. Attorney W. M. Gibson [illegible] San Francisco, representing Mr. Van [illegible] has stated that work would be commen[illegible] before the time required by the franchise [illegible] that the road would be completed with[illegible] year.

LIGHT AND POWER PLANTS.

The names of parties awarded contracts are printed in capital letters.

BANGOR, ME.—Bids for the contract to build a concrete dam and ere[illegible] a power-house at Milford for the Bodwel[illegible] Water Co have been opened and found [illegible] be entirely satisfactory, and the award [illegible]de. Name of the successful bidder or the amount of bid was not made public. Work will commence at once, and it is expected that it will be a year before it is completed. W. A. Johnson, of Niagara Falls, N. Y., is Engr.

BRISTOL, VT.—The Lake Dunmore Power & Traction Co., which recently absorbed the Bristol Electric Co., has completed surveys for a dam to be built about a mile above its present plant on the New Haven River. It will be 30 ft. high. H. M. McIntosh, of Burlington, is Engr.

GLENDALE, MASS.—Barnes & Farnham, of Pittsfield, write us that they are not engineers for proposed power development on Housatonic River for the Monument Mills, of Housatonic, as noted on June 22.

NEW YORK, N. Y.—According to "Sun" the Commission, of which Cary T. Hutchinson, Engr., 60 Wall St., is Chn., has submitted report to Board of Estimate regarding municipal lighting plant, including land, buildings and all equipment for a central station, of a capacity of 15,000 kilowatts and a distributing system designed to supply 15,000 arc lights and 300,000 16-c. p. incandescent lights, total cost of which will be $7,567,000. The total annual operating and fixed charges, including interest at 3.5 per cent., depreciation and all operating expenses, will be, a year, $1,269,000. The report was referred by the Board of Estimate to Nelson P. Lewis, the chief engineer of the board, and to Comptroller Grout.

ALBION, N. Y.—Bids will be received on July 13 for electric light wiring at Western House of Refuge for Women. John J. Hynes is Pres. Bd. of Managers.

LANSDALE, PA.—Contract has been awarded to the ERIE CITY IRON CO., for $9,400, for the steam equipment, and to FORT WAYNE ELECTRIC CO. the contract for the electrical apparatus for the new electric light plant, for which a loan of $20,000 was created at a recent election.

PHILADELPHIA, PA.—The Philadelphia & Western R. R. Co. has awarded contract to GENERAL ELECTRIC CO. for electrical equipment for temporary and permanent power houses and for equipping cars. Total cost of buildings will be about $1,000,000.

ELKTON, MD.—Contracts have been let, we are advised, for power plant at Gilpins Falls for W. P. Warburton, of Elkton. Cost, $50,000. B. F. Groff, Lancaster, Pa., is Engr.

BALTIMORE, MD.—Contract for erection of power-house for United Railways & Electric Co., on Hartford Ave., was awarded to J. HENRY MILLER, at $17,700. Simonson & Pietsch are Archs.

BRUNSWICK, MD.—Franchise has been granted to the Harpers Ferry Electric Light & Power Co., of Harpers Ferry, W. Va., for electric light and power plant at this place. G. R. Bready, of Harpers Ferry, is Mgr.

PETERSBURG, VA.—The Virginia Passenger & Power Co., of Richmond, Va., may complete dam across the Appomattox River for power development. S. W. Huff, Richmond, is Mgr.

RURAL RETREAT, VA.—It is reported that W. C. Lawson is interested in electric light proposition.

FREDERICKSBURG, VA.—The Rappahannock Electric Light & Power Co. has been incorporated with an authorized capital stock of $25,000 to erect and operate an electric light and power plant. J. B. Ficklen is Pres.; E. C. L. Ficklen, Vice-Pres., and A. D. Tapscott, Secy.

CHARLESTON, W. VA.—It is reported that James A. Haley and Samuel Stephenson will construct pipe line for conveying natural gas from wells on Turkey Creek, near Charleston, to Huntington, W. Va., and other Ohio River cities.

WILSON, N. C.—The Carolina Light & Power Co. has been incorporated, with $100,000 capital stock, by M. S. Williams, S. A. Woodard and P. L. Woodard, to operate electric-light and power plant.

SPARTANBURG, S. C.—We are informed that the Electric Mfg. & Power Co., of this city, will develop water power at Nesbitt's Shoals within the next few [illegible]. Ladshaw & Ladshaw Civil and Hydraulic Engrs., Spartanburg, have made surveys for hydro-electric transmission of 5,000 HP. to this city. Transmission line will be 16 miles long. The power is to be used for general purposes in and around Spartanburg.

CARTERSVILLE, GA.—We are advised that W. A. Carlisle, of Gainesville, Ga., is Ch. Engr. for Etowah Power Co.'s proposed development of water power of Etowah River at Cartersville. Mr. Carlisle is now making surveys for the plant. A dam of concrete, about [illegible] ft. long and 50 ft. high will be built. A. J. Warner, of Gainesville, is Pres. of Co. The company was incorporated with $10,[illegible] capital and privilege of increasing capital to $1,000,000.

LAGRANGE, GA.—We are advised that Ludwig & Co. Consult. Engrs., Atlanta, Ga., are preparing plans for steam electric-lighting plant. Est. cost, $25,000. It will have capacity of 75 2,000-c. p. arc lights and 2,500 16-c. p. incandescent lights. It is expected that contracts will be let in 30 or 60 days. Roy Dallis is Cy. Engr. S. H. Truitt Chn. Committee.

CHELSEA, GA.—A. J. Lawrence, who is organizing company to develop 15,000 HP. near here, writes us that "company is not making such progress as we would like to see, yet we are confident of great results."

MONROE, GA.—Bids are asked until 1 p. m., July 31, for machinery and material and installing complete an electric light plant. The proposed plant embraces two 66 x 18-in. high pressure boilers; one 175-HP. Corliss engine; one 120-KW. A. C. generator; 15 arc and 40 50-c. p. street lights; 500 light transformer, capacity and pole lines. J. B. McCrary, Senoia, Ga., is Engr. (Advertised, Engineering News.)

VALDOSTA, GA.—City has granted franchise to F. W. Armstrong, C. W. Miller, of Tallahassee, Fla., and associates to construct and operate gas plant.

McDONOGHVILLE, LA.—The McDonoghville Water, Power & Improvement Co. has been organized, with $100,000 capital stock, by Henry Hart, C. A. Chandler, T. Landry, John McCabe, L. H. Marrero, Sr.; August Cuny, Geo. Walter, M. A. Dauenhauer and William Walter, to construct and operate water-works and electric-light plant. Henry L. Zander has plans for plant, it is reported.

MEMPHIS, TENN.—William Bergschicker, Member of Council, writes us that no engineer has been appointed yet for proposed city light plant. Estimated cost is $1,000,000. The city council will appoint a committee of seven, from the two boards which will select an engineer, plans, etc., for the plant within thirty days.

NEWARK, O.—The Licking Light & Power Co., of Newark, has been incorporated with $300,000 capital, by Melville Gillette, Henry G. Bohl, John P. Maynard, W. B. Barthalow and I. N. Danford, of Columbus.

TOLEDO, O.—Mayor has directed Frank I. Consaul, Ch. Engr., Bd. Public Service, to prepare preliminary plans and estimate of the cost of construction and operation of a city lighting plant.

HAMILTON, O.—It is reported that the Cincinnati Traction Co. will erect a central power plant near this place. Estimated cost, about $400,000. R. E. Lee, Cincinnati, is Gen. Supt. Thos. Elliott is Ch. Engr.

FORT WAYNE, IND.—Specifications may be seen at office of Engineering News, 220 Broadway, New York, for construction and installation of a gas plant at Fort Wayne. Bids to be opened Aug. 4, as advertised in Engineering News July 6 and 13.

INDIANAPOLIS, IND.—The Board of Public Works will receive bids in August for a franchise for furnishing fuel gas. Cash deposit of $25,000 is required.

The Consumers Gas Co. is asking for bids for purchase of its entire plant. A deposit of $50,000 will be required. Horace McKay is Chn. Committee; Bement Lyman is Secy.

DETROIT, MICH.—Raseman & Fisher, Archs., 1302 Penobscot Bldg., have plans prepared for a 2-story and basement transformer station for the Edison Illuminating Co., of Detroit. Alex. Dow is Gen. Mgr., 22 Washington Ave. J. W. Brennan is Pur. Agent.

CHICAGO, ILL.—Shepley, Rutan & Coolidge, Archs., 84 Van Buren St., have awarded the general contract for addition to power house, to be erected at 22d and Fisk Sts., for the Commonwealth Electric Co., 139 Adams St., to WELLS BROS., 100 Jackson Blvd. Cost, about $450,000.

LACROSSE, WIS.—We are informed that this company will build a gas plant next year. Engineers are now working on project. Construction probably will begin in January, 1906. Charles H. Williams is Mgr. J. G. Schweizer is Secy. It is reported that estimated cost of plant is $150,000.

RACINE, WIS.—THE MILWAUKEE ELECTRIC RAILWAY & LIGHT CO. will be awarded the contract for lighting the streets of the city of Racine for the next five years at the same prices charged for the previous five years. Municipal plant and water-works are under consideration.

MILWAUKEE, WIS.—Charles J. Poetsch, Cy. Engr., advises us that bond issue for municipal lighting plant has been defeated in the Council. The matter may be revived in three months. Bids will be advertised for lighting city for one, two, three, four or five years.

GREENWOOD, WIS.—Bids will be received until July 25 for an electric light plant, consisting of dynamo, wiring, pole line and auxiliaries; also frame power house, concrete power dam, turbine water wheel, shafting, pulleys, belting, etc. Oscar Claussen, Consult. Engr., St. Paul, Minn.

MELROSE, MINN.—The DWYER PLUMBING & HEATING CO., of St. Paul, has been awarded contract, at $27,225, for constructing combined water and light plant complete, except electrical portion, with Corliss engine for the city of Melrose. The contract for electrical portion only was awarded to the AMERICAN ELECTRIC CO., of St. Paul, for $6,644.

OTSEGO, MINN.—The Minneapolis Power & Trolley Co., of Minneapolis, recently granted a franchise in that city, will erect a $2,000,000 plant at Otsego, 28 miles from Minneapolis. F. W. Cappelin, 610 Globe Bldg., Minneapolis, is Engr.

MARBLE FALLS, TEX.—We are informed by Ladshaw & Ladshaw, Engrs., Spartanburg, S. C., that project to build electric light plant and cotton mill at Marble Falls has been indefinitely delayed, due to the condition of the cotton market.

EMPIRE, COLO.—We are informed that active work will be started at once on power plant for the Empire Electric Power & Irrigation Co. It will cost about $70,000. Plant will be operated by water power and furnish power for mining and mill camps in adjacent territory. Work has been started on dam for headgate. H. R. Oliver, of Georgetown, Colo., is Engr. W. P. Clough, of Denver, is Pres.

SAN FRANCISCO, CAL.—We are advised that surveys are completed for the power development in Inyo County, Cal., planned by the Owen's River Water & Power Co. Estimated cost of plant is $400,000. W. E. Condon, 411 Kohl Bldg., San Francisco, is Ch. Engr., and Leon M. Hall, 814 Kohl Bldg., is Consult. Engr. Plans are in preparation. Recent change in preliminary plans, providing for a larger plant, has caused a delay. Transmission line, 105 miles long, to Tonopah and Goldfield, Nev., has been located. Capacity of plant will be about 5,000 HP. Milton S. Hamilton is Secy.

MAYFIELD, CAL.—We are informed that S. P. Reed, of Mayfield, has matter in charge regarding organization of a local company to build an electric-lighting and power plant. Capital is partly subscribed.

BRIDGES.

The names of parties awarded contracts are printed in capital letters.

NORTH ADAMS, MASS.—The following bids were received by C. J. Arnold, Comr. Pub. Wks., June 21, for constructing (a) plate girder highway bridge at Union St., and for (b) moving, altering and erecting steel superstructure of Greylock bridge: Groton (N. Y.) Bridge Co., (a) $11,000, (b) $1,700; New England Structural Co., Boston, (a) $10,882, (b) $1,718; Springfield (Mass.) Const. Co., (a) $11,300, (b) $1,800; Owego (N. Y.) Bridge Co., (a) $9,978, (b) $1,440; Whitney Bros., North Adams, (a) (b) $11,920; Canton Bridge Co., New York, (a) $12,150, (b) $1,700; United Const. Co., Albany, N. Y., (a) $9,549, (b) $1,549; Boston (Mass.) Bridge Works, (a) $11,517, (b) $1,826.

BOSTON, MASS.—Proposals will be advertised for masonry piers in Fort Point channel within two weeks. Wm. Jackson, Cy. Engr.

HARTFORD, CONN.—Specifications for foundations and substructure of highway bridge to be built at Albany Ave. are on file in office of Engineering News, 220 Broadway, New York. Bids will be received until July 19, as advertised in Engineering News.

ELMIRA, N. Y.—The contract for constructing new bridge at Lake St. has been awarded to the AMERICAN BRIDGE CO. for $46,877.

BUFFALO, N. Y.—Bids are asked by Department Public Works until July 20, 11 a. m., for construction of substructure of bridge on River St. and for removing Scott St. bridge. Francis G. Ward, Comr.

HACKENSACK, N. J.—At a recent meeting of Board of Freeholders the following bridges were decided upon: Two concrete spans in Franklin Township, Thos. Post, Midland Park, Chn.; culvert, Hillsdale Township, Ed. Greenin, Chn., Hillsdale; concrete arch, Hohokus Township, A. H. Ackerman, Chn., Saddle River; steel and concrete culvert, Lodi Township, Henry Kaufman, Jr., Chn., Little Ferry; repairs to Union Ave. bridge, Rutherford, Freeholder Alyea, Chn., East Rutherford; two bridges, Hohokus Township, Jas. Devine, Jr., Chn., Mahwah. Appropriations have been made for this work and respective chairmen authorized to give contracts in latter part of July.

HACKENSACK, N. J.—The following contracts were awarded July 3 by Board of Freeholders: 33d St. bridge, DEAN, SCHWIERS & SUTTON, 136 Liberty St., New York; bridges at Allendale and Saddle River, J. MYERS, Ridgewood; bridge at Ridgewood, SAMUEL CARLOUGH, Ridgewood; two bridges at Oradell, D. S. JOHNSON, Tenafly; two concrete arches at Crystal Lake, F. R. LONG CO., Hackensack.

RUTHERFORD, N. J.—Bids were opened June 30 by Board Chosen Freeholders of Passaic and Bergen Counties for construction of drawbridge across Passaic River, as follows: F. R. Long Co., Hackensack, $14,980; Canton (O.) Bridge Co., $10,200; Dean, Schwiers & Sutton Co., New York, $9,900; OWEGO (N. Y.) BRIDGE CO., $9,000 (awarded contract).

READING, PA.—Contract for constructing Glendale bridge was awarded to the CANTON BRIDGE CO. for $1,495; contract for constructing Eagle Point bridge was awarded to TOLEDO-MASSILLON CO. for $600. Bids for the above work were opened June 30 by H. F. Livingood, County Compt., as advertised in Engineering News.

CHESTER, PA.—The Jury of View will meet July 19 at Fifth and Penn Sts. to vote on the advisability to build a bridge over Chester Creek. W. H. Miller, Chn.

DOYLESTOWN, PA.—Bids for new bridge at Wycombe were opened July 1 by County Commissioners, as follows: A. J. Thompson, Wycombe, $7,923; Seth W. Good, Doylestown, $8,715; Jos. Lennington, Langhorne, $7,400; H. T. Shelly, Quakertown, $6,750; Frank Heston, Churchville, $7,440; Jos. Van Sant, Langhorne, $6,800.

WELDON, N. C.—The Aldermen have appropriated money to employ an engineer to make survey of proposed steel bridge. Address T. C. Harrison, Weldon. Previously noted.

BRIMINGHAM, ALA.—Bids are asked by Board of Revenue of Jefferson County until July 17, noon, for construction of four steel bridges. John T. Reed, Pres.

CLEVELAND, O.—Bids are asked by County Commissioners until July 29, for construction of steel bridges and masonry abutments and culverts. Julius C. Dorn, County Clk.

JANESVILLE, O.—County Commissioners have awarded to CLIFTON BROS. the contract for rebuilding protection cribs for new draw pier of Brush Creek bridge, for $14,444.

DAYTON, O.—Bids are asked by T. J. Kauffman, County Audr., until July 27 for construction of a steel bridge over Big Twin Creek. The substructure consists of two spans each 150 ft. in length with a 16-ft. roadway, and the substructure includes two abutments, wing walls and piers.

DANVILLE, IND.—County Commissioners will receive bids until July 31 for concrete arches in Brown and Center Townships. David D. Mills, County Audr.

MARTINSVILLE, IND.—A. FERGUSON, 2100 Park Ave., Indianapolis, was awarded contract July 5 by County Commissioners for constructing five concrete arches, reflooring and putting iron beams on same and a 12-ft. flat-top concrete bridge. Total cost, $7,325. Earle O. Gilbert, County Surv.

INDIANAPOLIS, IND.—H. W. Klauseman, Co. Surv., has been requested to make preliminary plans for a bridge over White River at 13th St. Riverside Park entrance.

ANDERSON, IND.—Bids will be received by County Commissioners until July 18, 10 a. m., for building five reinforced concrete arch bridges. Jos. D. Kinnard, County Audr.; E. J. Wilcox, County Engr.

ADA, MICH.—The Township Board of Ada has awarded contract for construction of Ada bridge to the MASSILLON (O.) BRIDGE CO. for $7,544.

WHITEHALL, MICH.—Bids are asked by J. Vernon Nickless, Vil. Clk., until July 28, 2 p. m., for construction of a 75-ft. steel bridge, with 20-ft. driveway and 5-ft. sidewalk, to have a plank or concrete top. (Advertised, Engineering News.)

ELGIN, ILL.—The SAVAGE CONST. CO., 188 Madison St., Chicago, has been awarded the contract, at $5,995, for constructing a pile bridge at Kimball St.

DECATUR, ILL.—The Highway Commissioners have determined to erect a steel bridge, which is to cost $15,000, over Sangamon River, south of the city. G. V. Loring is Cy. Engr.

PEORIA, ILL.—Highway Commissioners awarded to JOS. CODY & SON, Peoria, the contract for constructing pier under Upper Free bridge. Their bid was $1,998.

MANITOWOC, WIS.—The City Engineer has been instructed by Board Public Works to prepare plans for a lift foot bridge.

CARROLL, IA.—This (Carroll) county contemplates the construction of a concrete bridge across Coon River. No plans selected. J. A. Stamen, County Audr.

DES MOINES, IA.—O. P. HERRICK has been awarded the contract for filling approaches to the new Sixth Ave. bridge by the Board Public Works for $14,817.

BLOOMINGTON, NEB.—Bids will be received by John Parker, County Clk., until July 24 for construction of a two-span steel bridge across Republican River, at Naponee.

HOUSTON, TEX.—County Commissioners have let the contract to C. G. PATTON to build bridge over Buffalo Bayou, at Vicks Crossing, for $1,200.

LAWTON, OKLA.—Contracts have been awarded for building of five stone bridges in Comanche County, at a cost of $2,569. The MIDLAND BRIDGE CO., Kansas City, Mo., will construct two and the CANTON BRIDGE CO., Kansas City, will construct three.

STILLWATER, OKLA.—Bids will be received by J. H. Donart, County Clk., until July 21, 6 p. m., for erecting 19 bridges and pile driving for same.

CASHMERE, WASH.—The INTERNATIONAL CONTRACT CO., Seattle, Wash., has been awarded contract for a two-span bridge, with steel piers and approaches, over Wenatchee River at Cashmere.

BUILDINGS.

The names of parties awarded contracts are printed in capital letters.

LYNN, MASS.—Geo. F. Newton, Arch., 6 Beacon St., Boston, has plans for a stone and steel church for the Washington Baptist Society, Lynn. Cost, $60,000.

MALDEN, MASS.—Contract will be let early in September for construction of school in Malden. Cost, $50,000. Ed. J. Wilson, Arch., 101 Tremont St., Boston.

BEVERLY, MASS.—H. P. CUMMINGS CO., Board of Trade Bldg., Boston, has been awarded contract for constructing new schoolhouse in Beverly. Cooper & Bailey, Archs., 50 Congress St., Boston. Cost, $60,000.

MONSON, MASS.—Contract for constructing a hospital building at Monson for the state has been let to ERNEST T. WILSON, Natick, Mass. Kendall, Taylor & Stevens, 93 Federal St., Boston, are Archs. Cost, $58,000.

WOBURN, MASS.—P. H. Jackson, Brockton, Mass., was the lowest bidder for constructing schoolhouse at Woburn, his bid being $81,405.

NEW YORK, N. Y.—Clinton & Russell, Archs., 32 Nassau St., are taking figures on an office building to be erected at 58 West 15th St., for the 15th St. Realty Co., 1123 Broadway. Brick and stone, 10 stories, 40 × 100 ft. Heating system, electric wiring, plumbing, ventilating, boilers and steel stack.

FOUNTAIN & CHOATE, 114 East 23d St., have been awarded general contract for alterations to be made to residence of Eugene Arnstein, 709 Madison Ave. James & Leo, Archs., 124 West 45th St. Brick and stone, 4 stories, 20 × 40 ft. Cost, $50,000.

Horgan & Slattery, Archs., 1 Madison Ave., are taking figures on an office and stable building to be erected on 24th and 25th Sts., between Lexington and Third Aves., for Fiss, Doer & Carroll Horse Co., 147 East 24th St. Reinforced concrete, 10 stories, 110 × 225 ft. Heating system, boilers, motors, blowers, elevators, plumbing, water piping, 'phone system, electric wiring, concrete floors, fire alarm system, sprinkler system and steel stack.

H. C. Hollwedel, Arch., 23 Union Square, will receive bids until July 15 for an automobile garage to be erected at Broadway and 62d St., for Wendell Estate, 175 Broadway. Brick, 2 stories, 115 × 115 × 170 ft.

J. H. Duncan, Arch., 208 Fifth Ave., is taking figures on the addition to department store of Lord & Taylor, at Fifth Ave. and 19th St. City Investing Co., 111 Broadway, is the owner. Brick and stone, 8 stories, 25 × 90 ft. Heating system, boilers, electric wiring, sprinkler system, ventilating system, steam piping, etc.

Samuel Sass, Arch., 23 Park Row, has plans in progress for a department store to be erected on 34th St., running through to 35th St., between Broadway and Fifth Ave. Samuel Green, 35 Nassau St., is the owner. Brick and stone, 6 stories, 50 × 200 ft. Heating system, boilers, blowers, motors, sprinkler system, escalators, steel stack, etc.

The United Engineering Building Committee, T. C. Martin, Pres., has awarded general contract to WELLS BROS. CO., 100 Fifth Ave., for construction of the United Engineering Building to be erected on West 39th St., for $795,000. This does not include any allowance for steam heating plant, electric wiring, etc. The site has been excavated and work on the building will be started at once.

McENTEE & O'BRIEN, 1123 Broadway, were awarded the general contract for a hospital to be erected at 165th St. and Lafayette Boulevard for the New York Institution of Deaf and Dumb. Henri Fouchaux, Arch., Broadway and 162d St. Brick and stone, 2 stories, 50 × 150 ft.

F. C. Zobel, Arch., 24 East 21st St., has plans in progress for a loft building to be erected at 13-15 West 24th St., for Andrew J. Kerwin, 4 West 24th St. Brick and stone, fireproof, 11 stories, 50 × 100 ft. Heating system, boilers, blowers, electric wiring and plumbing.

Maynicke & Franke, Archs., 298 Fifth Ave., have plans in progress for a loft building to be erected at 32d St. and 5th Ave., for Matthew Rook. Henry Corn, 320 Fifth Ave., will be the lessee. Brick and stone, fireproof, 11 stories, 30 × 150 ft. Heating system, boilers, pumps, blowers, switchboards, electric wiring, ventilating, fire alarm system, furniture, etc.

N. G. Pigueron, Arch., 32 Union Square, has plans in progress for a settlement workhouse to be erected for the Salvation Army at 92-94 Cherry St. Brick and stone, 5 stories, 40 × 90 ft. Heating system, electric wiring and plumbing.

Plans are completed for warehouse to be erected at 401-411 Washington St., for Ragus Tea & Coffee Co., 79 Water St. Maynicke & Franke, Archs., 298 Fifth Ave.; Pattison Bros., 949 Broadway, Consult. Engrs. Brick, stone and terra-cotta, 6 stories, 80 × 125 ft. Boilers, engines, generators, motors, pumps, electric wiring, heating system, etc.

CANANDAIGUA, N. Y.—JAS. E. LEAMY & CO., Syracuse, N. Y., have the contract for constructing the Canandaigua Academy, at Canandaigua, to cost $100,000. Brick, stone and terra-cotta, 178 × 136 ft.

HORSEHEAD, N. Y.—Plans are being prepared for a new edifice for the First M. E. Church Society of Horsehead. W. L. Perkins is a member of Building Committee.

BATAVIA, N. Y.—Bids are asked by F. Park Lewis, M. D., Pres. Bd. Trustees, until July 24 for addition to plumbing, new steel ceilings and changes to electric light wiring and fixtures for New York State School for Blind. (Advertised, Engineering News.)

NEW YORK, N. Y.—Board of Estimate has approved plans for new Manhattan terminal for Brooklyn Bridge to relieve the present crush during rush hours. Cost, $3,000,000. Geo. E. Best is Bridge Comr.

ROME, N. Y.—Bids are asked by Jas. A. Douglass, Pres. Bd. of Mgrs., of the Rome State Custodial Asylum, until Aug. 7, for constructing, heating, plumbing, electric light wiring and fixtures for Ward Building. J. G. L. Heins, State Arch., Albany. (Advertised, Engineering News.)

JERSEY CITY, N. J.—Hugh Roberts, Arch., 1 Exchange Place, has plans about completed for new court-house to be erected in Jersey City. Granite and marble, 3 stories, 135 × 175 ft. Heating system, electric wiring, plumbing and blowers.

SUMMIT, N. J.—N. A. Balch, Arch., 5 West 31st St., New York, has plans in progress for a residence to be erected in Summit. Brick and stone, 3 stories, 50 × 90 ft. Heating system, boilers and electric wiring. Cost, $100,000.

HASBROUCK HEIGHTS (Sta. Hackensack), N. J.—Appropriation of $47,000 for new school house has been voted. Plans soon ready.

MADISON, N. J.—A. Wallace Brown, Newark, N. J., will erect a new residence at Madison. Stone and frame 2½ stories, 50 × 70 ft. Heating system, electric wiring and plumbing.

TRENTON, N. J.—State of New Jersey, care of G. E. Poole, at Trenton, is taking figures until July 11 for construction of an insane hospital at Trenton, to cost $200,000. Stone, 3 stories, 50 × 300 ft. Plans prepared by owners.

ASBURY PARK, N. J.—W. C. & A. F. Cottrell, Asbury Park, are architects for new school house here.

McKEESPORT, PA.—Bids are asked by Jas. Knox Taylor, Supv. Arch., until Aug. 16 for construction complete of U. S. post-office at McKeesport. (Advertised, Engineering News.)

PITTSBURG, PA.—Plans are being prepared by H. C. Hodgen, Bissell Bldg., Pittsburg, for a three-story addition to Hotel Lincoln. Address A. L. Richmond, Jr., Keystone Bldg., Pittsburg. Cost, $75,000.

PITTSBURG, PA.—Beezer Bros., Archs., 6200 Penn Ave., will furnish plans for furniture warehouse and store building for Vincent Scott & Co., Penn Ave. and Beatty St. Brick and steel, fireproof, elevators and combination light fixtures. Cost, $80,000.

PITTSBURG, PA.—H. B. Naylor, Bessemer Bldg., is taking sub-bids on a nine-story warehouse and store building for Henry Phipps, Bessemer Bldg. Cost, $250,000.

PHILADELPHIA, PA.—Horace W. Sellers, Arch., Stephen Girard Bldg., has plans ready for bids for a $50,000 residence at Germantown, for C. M. Clark.

NORRISTOWN, PA.—Wm. Lawler has been awarded contract for the St. Patrick's R. C. Church. Stone, 1 story, 80 × 135 ft. Cost, $65,000.

HARRISBURG, PA.—C. H. Lloyd, Arch., 216 Howard St., Harrisburg, is preparing plans for a five-story apartment house.

STATE COLLEGE, PA.—GEO. F. PAYNE & CO., 401 South Juniper St., Philadelphia, have been awarded contract for Agricultural Bldg. for the Pennsylvania State College. Brick, stone and steel, fireproof, 3 stories, 100 × 75 ft. Cost, $75,000.

WILMINGTON, DEL.—The contract for an apartment house for Gen. J. P. Postles has been awarded to A. S. REED & BRO. Brick, stone and steel, fireproof, 4 stories, 50 × 120 ft. Cost, $100,000.

WILMINGTON, DEL.—Chas. M. Anderson, Arch., 324 North Charles St., Baltimore, Md., is preparing plans for an eight-story apartment house for Thos. Melvin.

BALTIMORE, MD.—The Lutheran Church of the Incarnation, recently organized by Rev. Dr. A. H. Studebaker, 2018 Park Ave., and others, has secured an option on a lot on Madison Ave. and will erect a church thereon to cost about $60,000.

BALTIMORE, MD.—Bids are asked by Maryland Institute until July 17, 3 p. m., for excavation, concrete footings, foundation walls and waterproofing of new building to be erected for Maryland Institute for the Promotion of Mechanics Arts. Jno. M. Carter, Chn.

WASHINGTON, D. C.—The ornamental terra-cotta work for new War College building in this city will be constructed by the Brick Terra-Cotta & Tile Co., Corning, N. Y., at $83,000.

Bids are asked until July 20, 10 a. m., for construction of an addition to marine barracks, including band room, mess hall, gymnasium, completion of guard room, prison and amusement room. Washington, D. C. Col. F. L. Denny, Q. M., U. S. M. C.

Bids are asked by Bureau Supplies and Accounts, U. S. N., until Aug. 1, 10 a. m., for construction of new naval hospital, Washington, D. C.; of a power house about 88 × 36 ft., and of a perforated radial molded brick chimney 75 ft. high. H. T. B. Harris, Paym.-Gen., U. S. N.

ISIDORE PAVARINI, 814 18th St., N. W., Washington, D. C., has been awarded contract for Police Court building, at $75,000. This amount is for the complete work, including two boilers. A complete list of this bidder's appeared in preceding issue of Engineering News.

SALEM, VA.—Bids are asked until Aug. 10 for enlarging and remodeling Roanoke County jail at Salem. B. W. Logan and Thos. I. Preston, Jail Com. J. N. Ambler, Cy. Engr. (Advertised, Engineering News.)

VICKSBURG, MISS.—The Building Committee of the First National Bank has submitted to builders plans for new eight-story building. July 15 is the time set for opening bids and awarding the contract.

NEW ORLEANS, LA.—The Security Bank & Trust Co. will soon begin active steps looking to the erection of a $200,000 bank building.

NEW ORLEANS, LA.—The Maison Blanche Co., owning the great department store of that name, has purchased for $1,250,000 the greater part of square wherein their present building is located, and will erect a large department store covering the entire property, and to cost approximately $1,250,000 or $1,500,000.

OBERLIN, O.—Plans are ready for bids for construction of chapel for Oberlin College. Building will cost about $100,000 and will be built of local Berea or Amherst stone. Cass Gilbert, Arch., 79 Wall St., New York. C. P. Doolittle, Supt. Bldgs. & Grds.

MASSILLON, O.—C. F. Schweinfurth, New England Bldg., Cleveland, O., will prepare plans for a three-story brick and stone hospital building for the Hospital Association, J. C. Herring, Pres., Massillon. Cost, about $50,000.

CLEVELAND, O.—G. B. Post & Sons, Archs., 33 East 17th St., New York, have plans in progress for a bank building to be erected in Cleveland for the Cleveland Trust Co., at Erie and Euclid Sts. Brick and stone, 3 stories, 25 × 440 ft. Pattison Bros., 949 Broadway, are Consult. Engrs. Heating and ventilating systems, electric wiring, lighting fixtures, fire and burglar alarm systems, etc.

CINCINNATI, O.—Plans for Pike Hotel, being prepared by F. M. Andrews, Arch., Conover Bldg., Dayton, O., have been endorsed by the Cincinnati Realty Co. Cost, $1,500,000.

DAYTON, O.—Peters, Burns & Pretzinger, Archs., Kuhns Bldg., have prepared plans and bids will be advertised for soon for a six-story building for Young Men's Christian Association. Cost, $350,000.

TIFFIN, O.—Architects throughout the country are to be asked to enter a competition for making general plans for Heidelberg University. At annual meeting of Board of Regents, held recently, a building committee was appointed which was empowered to solicit plans for several improvements about the college. The general plan is to remodel the campus of 10 acres, lay it out and beautify it by landscape gardening. Plans are also to be received for a ladies' dormitory, to be of brick and contain suites for 50 ladies. Cost, $30,000. In addition, the general plans are to contain sites for a science building and a heating plant. These buildings are to be erected later on. An athletic field has also been given to the institution and a grandstand is to be erected this fall and the grounds graded and drained. C. E. Miller is Pres.; Dr. Thos. F. Keller, Spitzer Bldg., Toledo, is a member of Building Committee.

TIFFIN, O.—W. R. Dowling, Arch., 2121 Forest Ave., Toledo, O., awarded contract to JOHN E. KING, Toledo, to erect St. Mary's Catholic Church, at Tiffin. Cost, $60,000.

CINCINNATI, O.—Bids are asked by Board Public Service until Aug. 2 for grading required for site of new Cincinnati Hospital and for building of reinforced concrete retaining walls at Goodman St. and Elen Ave. Geo. F. Holmes, Clk. (Advertised, Engineering News.)

CLEVELAND, O.—Bids are asked by Board of Education until July 31 for furnishing all materials and for doing all work necessary to complete the Manual Training annex to Quincy School, in accordance with plans and specifications on file in office of Superintendent of Buildings, Rose Bldg. The price for labor and materials must be stated separately, and bidders may submit proposals for any or all of the following items of construction: Mason work, carpenter work, roofing and sheet metal, plumbing, gasfitting and sewers, painting, glass and glazing, heating and ventilating.

Bids will be received at the same time and place for improvement to Assembly room at Central High School. Bidders may submit proposals for any or all of the following items: Mason work, cut stone work, carpenter work, lath and plastering, slate base, iron and steel, painting, glass and glazing, roofing and sheet metal, sewers, fireproofing, cement floors, electric wiring.

Bids will be received at the same time and place for the installation of heating and ventilating apparatus in the Kentucky School and in the annex of the Standard School. Chas. Orr, Dir. of Schools.

ALLEGAN, MICH.—The Building Committee of Board of Supervisors has decided to erect a jail building. Plans not yet accepted. Address Clerk.

MONMOUTH, ILL.—The Monmouth Hotel Co., J. Ross Hanna, Pres., contemplates the erection of a three-story hotel, 118 × 140 ft. Cost, $50,000.

MOUNT CARMEL, ILL.—W. J. Brinkmann, Arch., 165 Randolph St., let general contract for a mausoleum, to be erected at Mt. Carmel, for Archbishop Quigley, 625 North State St., Chicago, to R. & S. SOLLITT, 140 Dearborn St., Chicago. To be built of marble, stone and concrete. Cost, $100,000.

BURLINGTON, IA.—Bids are asked by Jas. Knox Taylor, Supv. Arch., Washington, D. C., until Aug. 17 for construction, complete, of extension of U. S. post-office at Burlington.

SIOUX CITY, IA.—Reinke & Jenkinson, Archs., have plans and will be ready to receive bids in about 10 days for a three-story hotel, 100 × 100 ft., for J. F. Lessenich. Cost, $100,000.

MINNEAPOLIS, MINN.—Competitive plans and specifications will be received by Board of Trustees of the Minnesota Soldiers' Home until July 15 for a building to be erected on the Home grounds. Cost of superstructure not to exceed $50,000. Address S. H. Towler.

SHERIDAN, WYO.—Bids are asked until July 24 for constructing commanding officer's quarters; field officers' quarters; 2 double sets captains' quarters; 1 eight set bachelor officers' quarters; quadruple set N. C. staff officers' quarters; 2 double barracks; band barracks; administration building; wagon shed, hay shed, shop, magazine, granary, and hospital; enlarging present guard house, and installing plumbing, heating and electric wiring in buildings where specified, at Fort Mackenzie, Wyo. Capt. Jas. S. Parker, Q. M., U. S. A.

FAYETTEVILLE, ARK.—Hugh F. Reagan, Secy. Bd. of Trustees, University of Arkansas, will receive preliminary plans until July 15 for a girls' dormitory, to cost $32,000; boys' dormitory, $20,000; chemical building, $10,000; agricultural building, $9,000; hospital, $3,500, and dairy building, $3,500.

HOUSTON, TEX.—Bids are wanted until July 25 for construction of a five-story steel office building for the Houston Land & Trust Co., Houston. Sanguinet & Staats, Archs., Houston.

HOUSTON, TEX.—On July 17 an election will be held at Houston to pass on the question of issuing $500,000 bonds for the purpose of constructing a new court-house for Harris County.

HOUSTON, TEX.—Bids will be received by Sanguinet & Staats, Archs., until July 15 for the erection of a four-story addition to Brozos Hotel, Houston.

SPOKANE, WASH.—The following bids were received July 6 for construction of two double barrack buildings at Fort Wright, Wash.: McInnis & Harrington, Ft. Casey, Wash., $110,000; McInnis & Reed, Portland, Ore., $110,768; Bringham & Hoska, Seattle, $104,570; J. H. Randall, Seattle, $125,900; Burrell Const. Co., Portland, Ore., $113,740; Hastie & Dougen, Spokane, $112,900; Rowland Weston, Spokane, was lowest bidder, at $13,500 for plumbing and also on heating at $9,540. Capt. Edw. A. Shuttleworth, C. Q. M., U. S. A.

BOISE, IDAHO.—A Catholic Church will be erected here to cost $100,000 also a new Capitol building estimated to cost $1,000,000. Address E. C. Cook.

MONTREAL, QUE.—The contract for the erection of new Molson Bank block has been let to GEO. ROBERTS, of Montreal. Cost, $100,000.

WINNIPEG, MAN.—H. C. Stone, Arch., Toronto, Ont., has plans for a branch building, at Winnipeg, for the Bank of Toronto. The front of the building will be of marble, steel skeleton, fireproof. Cost, $150,000.

WATER SUPPLY—IRRIGATION.

The names of parties awarded contracts are printed in capital letters.

RICHFORD, VT.—Water Commissioners have been authorized to build a new reservoir beside the present one. F. H. Dewart, Engr., of St. Albans, Vt., estimates cost at $3,000.

UXBRIDGE, MASS.—W. A. Fuller, of Forest Hills, is Engr. for proposed water system. Town water committee consists of James Daley, Chn.; C. M. Aldrich, Clk.; Samuel F. Scott and C. Edward Blanchard. A pumping station will be erected at Wheelocksville. Bids will be advertised as soon as plans are prepared. It is proposed to lay a 12-in. iron pipe from the station through the villages of Wheelocksville, Calumet, Uxbridge Center, Newell's Corner, thence up High St. From Uxbridge Center a 10-in. pipe will be used to North Uxbridge.

OXFORD, MASS.—Enos L. Moore, of Chicago, is Consulting Engr. for proposed water supply for Oxford.

PEABODY, MASS.—Committee on increasing the town water supply has awarded the contract for the iron pipe to connect Suntaug lake, Lynnfield, with the Spring pond source of supply, to the WARREN FOUNDRY & MACHINE CO., 170 Broadway, New York. The price is $26.40 per ton for 20-in. pipe and $25.90 per ton for 24-in. pipe. There will be required about 15,000 ft. The committee will award a contract for laying this pipe soon. The pipe will bring water from Suntaug to Spring pond and there it will be pumped in connection with the present supply. The estimated total cost of the addition to the water supply system is $120,000. Noted on June 29.

ROCHESTER, N. Y.—Plans, specifications and form of proposals for Cobb's Hill reservoir are on file at New York office of Engineering News. Bids are asked until July 19, as advertised in Engineering News.

MANHASSETT (L. I.), N. Y.—D. CUOZZO, 150 Nassau St., New York, has been awarded contract, we are advised, for furnishing cast-iron pipes and laying same, including hydrants and gate valves for a water-works system on the estate of Payne Whitney at Manhassett.

BROOKLYN, N. Y.—John T. Oakley, Comr. Dept. Water Supply, Gas & Electricity, has applied to Board of Estimate for $3,390,000 of stock for providing an adequate water supply for Brooklyn. The following projects are recommended to be undertaken at present: New conduit from Massapequa to Ridgewood reservoir, $1,500,000; remodelling Ridgewood engine house, $650,000; extension of distribution mains, $200,000; driven well within the borough limits to connect with distributing system, $275,000; infiltration gallery at Oconee, $200,000; replacing worn-out mains, $100,000; boundary trunk mains for the Mt. Prospect system, $170,000; trunk mains to replace the Long Island water supply system, $70,000; additional hydrants, $50,000; filter beds for Valley Stream, $75,000, and land for protection from pollution, $100,000. Bids are asked until July 19, 2 p. m., by Department of Water Supply, Gas & Electricity, 21 Park Row, for remodeling the Massapequa pumping station, near Massapequa, L. I., including the pumping plant, pump well and infiltration gallery system, with all necessary appurtenances. Also for laying water mains in various streets in Boroughs of Manhattan, Bronx and Brooklyn.

NEWBURG, N. Y.—Contract for supplying pipe for new mains in Liberty St., and Van Ness St., has been awarded to the WARREN FOUNDRY & MACHINE CO., 170 Broadway, New York City, the lowest bidder, at the following prices: 210 lengths of 12-in. pipe, 99 lbs. to the foot, $25 per ton; 110 lengths of 8-in. pipe, 52 lbs. to the foot, $26.50 per ton; 110 lengths of 6-in. pipe, 35 lbs. to the foot, $26.75 per ton; 30 lengths of 4-in. pipe, 24 lbs. to the foot, $27 per ton.

CARBON HILL, ALA.—We are informed that bids are asked until July 24, 8 p. m., for purchase of $25,000 of bonds. Bonds are issued for water-works and electric light plant. J. S. Shannon is Chn. Edgar B. Kay, of Tuscaloosa, Ala., has been appointed Engineer to prepare plans and superintend the construction of the combined water-works and electric light plant.

BRIDGEPORT, W. VA.—G[illegible] Clifford, of Martins Ferry, W. Va., w[illegible] west bidder, at $2,750, for extending [illegible] mains in this place.

COLUMBUS, GA.—We are i[illegible] ed by M. M. Moore, Clerk to Council, [illegible] city engineers templates building a new sy[illegible] of water-works. It will be probably [illegible] months before plans are agreed upon [illegible] matter is in hands of the water comm[illegible] ers. John C. Cook, Secy. may be addre[illegible]

GRENADA, MISS.—We are [illegible] med that at election held on July 5 it w[illegible] ed to issue $30,000 bonds for extendi[illegible] sewer and water mains. C. B. Bolton, [illegible] nada, is Engr.

CRESTLINE, O.—The contra[illegible] a water-works system has been awarde[illegible] the NATIONAL CONSTRUCTION CO[illegible] of South Bend, Ind.

CLEVELAND HEIGHTS, [illegible] Bids are asked until July 25, noon, by [illegible] liam G. Phare, Clk., Fairmount post-of[illegible] for laying water pipes in several stre[illegible]

CINCINNATI, O.—Bids are [illegible] ed until noon, July 28, for the manufac[illegible] furnishing and delivery of sluice valve[illegible] te valves and mud valves for the filtratio[illegible] plant and for the mains from the western [illegible] pumping station of the city of Cincinnati. [illegible] Robert V. Foster is Clk. Board of Trustees.

LANCASTER, O.—Bids are [illegible] ked until noon, July 19, for extending [illegible] water-works system. There will be required [illegible] about 6,674 feet of 6-in. cast-iron water pipe [illegible] weighing in the aggregate about 125½ tons. About 1,290 ft. of 4-in. cast-iron water pipe, [illegible] weighing the aggregate about 14¾ tons. About one ton of special castings; 7 fire hydrants, 14 valves and 14 valve boxes, together with leaf oakum and other material necessary to complete the extension. George Cunningham, Clk. Bd. Public Service.

ELKHART, IND.—FAIRBANKS, MORSE & CO., of Chicago, have been awarded contract by the Elkhart Water Co. for a triple expansion, 6,000,000-gal. pump to be installed at Elkhart pumping station. Elliott Crull is Supt.

DECATUR, ILL.—We are advised that city council has instructed Al. Leach, Cy. Clk., to call for bids on 12,000 ft. of 6-in. water pipe, and 26 fire hydrants, and 13,000 lbs. of lead. A. B. Alexander is Cy. Clk.

ST. CLOUD, MINN.—We are informed that bids will be received by H. T. Limperich, Cy. Clk., until Aug. 7 for a 2,000,000-gal. mechanical filter plant. Contractors are to bid on their own plans and specifications. J. E. Hill is Cy. Engr. Mississippi River will be used for source of supply.

WINSIDE, NEB.—We are informed that bids are asked until July 22 for city water-works system. Estimated cost, $11,000. Supply will be obtained from a stand-pipe, about 2½ miles away. E. W. Cullen is Chn. Bd.

FORT PIERRE, S. DAK.—Bids are asked until July 20, 8 p. m., for installing a complete water-works system. Work will consist of the following: (1) Power house, pump house and intake well; (2) one storage masonry reservoir; (3) two water wheels, direct-connected to two D. C. dynamos; (4) two power pumps, direct-connected to two D. C. motors; (5) one gas holder, 60,000 cu. ft. capacity, more or less; (6) wood water mains and appurtenances; (7) iron gas mains and appurtenances. M. A. Earl, First Nat'l Bank Bldg., Chicago, is Engr.; C. Rousseau is Cy. Auditor. (Advertised, Engineering News.)

JACKSON, MO.—Mayor Edward D. Hays writes us that new city water-works system probably will cost $27,000, for which bonds will be issued. Hiram Phillips, 615 Frisco Bldg., St. Louis, Mo., will be Designing Engr.

LIBERTY, MO.—R. J. Bruce, Cy. Clk., informs us that contracts have been awarded for new water-works system for city, as follows: Tower and tank to CHICAGO BRIDGE & IRON CO., at $3,890; power and purification plants to W. KIERSTED, at $15,650; pipe laying, etc., to AMERICAN LIGHT & WATER CO., at $35,778. Water supply will be obtained from wells, 3½ miles distant. W. Kiersted, Liberty, Mo., is Engr.

KANSAS CITY, MO.—We are advised that the U. S. CAST IRON PIPE & FOUNDRY CO. have been awarded contract for annual supply of cast-iron pipe and special castings, as advertised for in Engineering News. Contract price was $25.90 a ton for cast-iron pipe; 2¾ cts. for special 24-in. castings, and 3¼ cts. for special large size castings. Everett Elliott is Secy. Bd. Public Works.

LONGVIEW, TEX.—The contract for building and machinery for the Longview water-works has been awarded McWHORTER PLUMBING & MACHINE CO., of Hillsboro, Tex., for $25,000. Work will commence immediately.

DENVER, COLO.—The Denver Union Water Co. has announced improvements of its plants and stations during this summer, to cost about $500,000. One of the most important pieces of work to be undertaken is the construction of three new filter beds in Platte canyon.

BOULDER, COLO.—We are informed that engineer's plans for a dam for irrigation purposes will be ready soon. A reservoir, to irrigate 10,000 acres of land, will be constructed six miles south of Marshall. Estimated cost is $50,000. M. B. Tomblin, of Boulder, is interested.

SEATTLE, WASH.—The INTERNATIONAL CONTRACT CO., of Seattle, has been awarded the contract for water main on 50th Ave., in this city.

BALLARD, WASH.—The Water Board has let a contract to the PACIFIC COAST PIPE CO., of Ballard, at $1,319, for supplying wooden water pipe to be used on North, Ellis and James Sts.

COTTAGE GROVE, ORE.—A. B. Wood, Mgr. Oregon & Southeastern R. R. Co., Cottage Grove, writes us that this place has voted $20,000 for the improvement of the water-works. It is desired to secure data relating to a reservoir, lined with wood coated with asphaltum or other similar substance. The reservoir is to have a capacity of 750,000 gallons.

REDWOOD CITY, CAL.—We are informed that city water-works system will be extended [illegible] miles at estimated cost of $35,000. W. [illegible] Gilbert is Engr. J. C. Dickey is Supt.

SAN BERNARDINO, CAL.—Bids are asked until 7:30 p. m., July 17, for laying water mains. Berry Allison is Secy. Bd. Water Comrs.

SEWERAGE.

The names of parties awarded contracts are printed in capital letters.

SOUTH BRIDGE, MASS.—The contract for construction of new sewer extension on Union and Cross Sts. has been let to GEO. M. BRYNE CO., Boston, for $4,825.

BROOKLYN, N. Y.—Bids are asked by Martin W. Littleton, Boro. Pres., until July 19 for furnishing materials and constructing sewers in portions of 20th and 61st Sts.

WEST POINT, N. Y.—Bids are asked until Aug. 8 for construction of storm sewer, surface drainage and sewer systems. Address Quartermaster, U. S. M. A. (Advertised, Engineering News.)

ALBANY, N. Y.—Bids are asked by Board Contract and Supply, until July 17, 3 p. m., for construction of sewer in State St. Isidore Wachsman, Clk.

LAKE PLACID, N. J.—Bids are asked by F. A. Isham, Counsel to Board of Sewer Commissioners, until Aug. 1, for construction of a trunk sewer. Approximately four miles of sewers are to be laid. Chas. E. Collins, Engr. (Advertised, Engineering News.)

SUMMIT, N. J.—Bids are asked by Common Council, until July 18, 8:30 p. m., for construction of about 8,000 lin. ft. of storm sewers from 12 to 24-in. in size, also 24 manholes, 50 brick catch-basins, etc. Ed. D. Rich, Cy. Engr. (Advertised, Engineering News.)

PITTSBURG, PA.—E. M. Bigelow, Dir., has awarded to the INERNATIONAL CONST. CO., Bessemer Bldg., the contract for construction of proposed sewer in Garrison Alley for $15,000.

GETTYSBURG, PA.—Bids were received July 3 for construction of complete sewer system, consisting of about nine miles of pipe sewer, as follows: FEHR & O'ROURKE, Reading, Pa., $30,388 (awarded contract); B. F. Sweeten & Son, Camden, N. J., $47,058; Geo. W. Ruch & Co., Philadelphia, Pa., $40,244; Bowman Bros., McKeesport, Pa., $34,096; Bolton G. Coon, Kingston, Pa., $34,923; J. Emory Plank, Gettysburg, $45,775; International Const. Co., Pittsburg, Pa., $41,452; J. W. Fritchey, Lancaster, Pa., $37,683; United Ice & Coal Co., Harrisburg, Pa., $44,333; Opperman & Bretz, Harrisburg, $37,283. Mason D. Pratt, Engr., 18 North Third St., Harrisburg.

QUITMAN, GA.—Board of Aldermen has let contract for sewerage system to A. L. PATERSON & CO., of Macon, Ga., for $22,528.

LEBANON, O.—Bids are asked by R. B. Corwin, Vil. Clk., until July 18 for construction of about 3,000 lin. ft. of trunk sewer.

YOUNGSTOWN, O.—Bids are asked by Board Public Service until July 15 for construction of a sewer in Walnut St. Geo. T. Prosser, Clk.

MARIETTA, O.—Bids are asked by Board Public Service until July 24, noon, for necessary labor and materials for constructing and laying sanitary sewers and drains with necessary fixtures and appurtenances in Lancaster, Harmar and Matthews Sts. A. W. Tompkins, Clk.

CINCINNATI, O.—Bids are asked by Board Public Service until July 27 for construction of sewers in Grand, Hawthorne and Considine Aves. Geo. F. Holmes, Clk.

MASSILLON, O.—Bids will soon be received by Board Public Works for constructing sewers in sundry streets.

DAYTON, O.—The city will soon advertise for proposals for about six miles of sanitary sewers. Est. cost, $29,000. F. M. Turner, Cy. Engr.

MARION, O.—Bids will soon be taken for the construction of 6, 8 and 10-in. sewers. Geo. Dwyer is Cy. Engr.

LAFAYETTE, IND.—Local press reports announce that the Town Board has instructed the Clerk to advertise for bids for construction of the North Side sewer. Jas. Troop is Pres.

HUNTINGTON, IND.—Bids will be received until July 25, for about 7,180 ft. of brick sewers, estimated to cost $25,130. H. H. Wagoner, Cy. Engr.

SEYMOUR, IND.—Bids are asked by Fred. Everback, Cy. Clk., until July 20, 4 p. m., for building sewer through the center of block No. 2 in Dickinson's addition.

ANGOLA, IND.—The town contemplates the construction of a sewerage system.

TELL CITY, IND.—Frank Hinkle, Cy. Clk., will soon ask for bids for construction of a main sewer in Washington St.

GREENVILLE, MICH.—Plans are being prepared by Riggs & Sherman, Engrs., Toledo, O., for a complete separate system of sewers at Greenville. Plans will be ready for bids the latter part of this month. The city will also construct a small portion of sanitary sewers this season. Previously mentioned.

ROCK FALLS, ILL.—The contract for constructing pipe sewers in Eighth Ave. and Fifth St. was awarded by Board Local Improvements July 7 to W. N. DEARBON Stone City, Ia., for $15,401. Walter Murray, Mayor.

NEENAH, WIS.—The city will construct sewers on First, Second, Fifth and Olive Sts. E. W. Thurston is Cy. Engr.

OCONTO, WIS.—Board Public Works rejected all bids received June 17 for constructing sewers. New bids will be received until July 18. P. T. Meemosen, Cy. Clk.

MANSTON, WIS.—Sealed bids for the construction of 3,518 ft. of 12, 24 and 27-in. pipe sewer will be received by City Clerk on July 21. W. G. Kirchoffer, Engr., Vroman Bldg., Madison, Wis.

EDGERTON, WIS.—Bids will soon be received for laying of sanitary sewer system. M. Johnson is Cy. Clk.

SIOUX CITY, IA.—The city contemplates constructing a storm water sewer through Crescent Park. J. M. Lewis is Cy. Engr.

CHISHOLM, MINN.—Following bids were received July 1 by W. A. Masters, Recdr., for constructing a pipe sewer in Lake St.: A. G. Osman, Duluth, Minn, $14,441; Dowling Bro., $13,639; J. D. O'CONNELL, Duluth, $11,554 (awarded contract).

ST. PAUL, MINN.—It is stated that bids will soon be advertised for construction of a sewer in Atwater St. Est. cost, $20,000.

OSAWATOMIE, KAN.—Plans are being prepared by Burns & McDonnell, Engrs., 500 Dwight Bldg., Kansas City, Mo., for a sewerage system here.

STEPHEN, S. DAK.—Rev. P. Boehm writes us that no bids were received July 3 for construction of sewer.

PIERRE, S. DAK.—The Board Public Works, L. H. Clow, Secy., will spend about $100,000 in constructing sewers and grading Main St.

ANACONDA, MONT.—Bids will be received about Aug. 1 for construction of a sewer in the Eastern addition, to cost about $10,000. N. Knudson, Cy. Engr.

GALVESTON, TEX.—Board City Commissioners received the following bids for construction of 23d St. sewer extension: F. O. Brown, $24,802; Galveston Gasfitting & Plumbing Co., $15,139; J. C. Kelso, $15,295; E. M. TRUEHART, of San Antonio, $14,793 (awarded contract). C. G. Wells, Cy. Engr.

DENVER, COLO.—Bids are asked by T. W. Jaycox, State Engr., until July 29 for construction of steel bridge across Purgatory River, at Supris. (Advertised, Engineering News.)

GARBAGE DISPOSAL.

The names of parties awarded contracts are printed in capital letters.

HOBOKEN, N. J.—Bids are asked by Mayor and Council until July 26, 8 p. m., for the removal of ashes and garbage, rubbish, street sweepings, etc., from each and every house for one year beginning Aug. 25. Jas. H. Londrigan, Cy. Clk.

PHILADELPHIA, PA.—The Mayor has rejected bids for the 1906 garbage collection, opened on May 4, and ordered new bids advertised for. It is stated that new bids will be opened July 13. A. Lincoln Acker is Dir. Pub. Wks.

CHICAGO, ILL.—The Finance Committee of City Council has rejected the two bids received for the disposition of garbage and refuse, making another advertisement for bids necessary.

STREETS AND ROADS.

The names of parties awarded contracts are printed in capital letters.

NASHUMA, N. H.—Board Public Works awarded the contract for paving Main St. to ALBERT A. LIBBY & SONS, of Boston, Mass., at $1.15 per sq. yd.

WEST BROOKFIELD, MASS.—The State Highway Commissioners have awarded contract for building a section of state highway about 5,400 ft. in length in this town to OLIN T. BENEDICT, of Pittsfield, Mass., for $5,332.

BOSTON, MASS.—Bids are asked by Jas. Donovan, Supt Sts., until July 14, 12 M., for paving Harrison Ave., between Bedford and Essex Sts.

LYNN, MASS.—JOHN SHEEHAN & SON, of Lynn, has been awarded contract for building to sub-grade a road between Pleasant and Commercial Sts., Lynn, for $25,000, but may not accept the contract as Mr. Sheehan has discovered that he made an error in his bid. The next highest bidder is D. J. Sheehan & Co., $33,000.

WEST BROOKFIELD, MASS.—OLIN T. BENEDICT, Pittsfield, Mass., has been awarded contract for state highway in this town. Cost, $5,331.

SPRINGFIELD, MASS.—Bids are asked until Aug. 3, for laying of about 12,000 sq. yds. of bitulithic or bituminous macadam pavement. Chas. M. Slocum, Cy. Engr. (Advertised, Engineering News.)

WARWICK, R. I.—The contract for constructing a mile of state road in this town was awarded by State Commissioners of Roads to CHAS. A. JOHNSON, of Coventry, R. I., at $3,910.

GRANBY, CONN.—Bids are asked by Board of Selectmen until July 15, 1 p. m., for grading of a section of road. J. W. Ruick, Chn.

WATERBURY, CONN.—Bids are asked by Board Public Works until July 18, 3 p. m., for paving portions of Grand, West Main and North Willow Sts. R. A. Cairns, Cy. Engr.

HARTFORD, CONN.—Specification for the grading of 1,800 lin. ft. of new highway on Albany Ave., may be seen at the office of Engineering News, 220 Broadway, New York. Bids to be opened July 19, as advertised in Engineering News

ROCHESTER, N. Y.—Melville St. will be paved with asphalt. The contract was let June 28, by Board of Contract and Supply to the ROCHESTER VULCANITE PAVEMENT CO. for $6,840.

SYRACUSE, N. Y.—The Common Council is considering a petition for paving Cedar St. with brick. A petition has been presented for paving Walnut Ave. with asphalt or brick.

WATERVLIET, N. Y.—Bids are asked by W. G. Staley, Secy. Public Imp. Comrs., until July 18, for construction of curbs and sidewalks.

BROOKLYN, N. Y.—Bids are asked by Martin W. Littleton, Boro. Pres., until July 19, for grading, curbing, paving and laying sidewalks in portions of several streets.

ONEONTA, N. Y.—Bids are asked by O. A. Miller, Village Engr., until July 18, 7 p. m., for furnishing the village the following: From 350,000 to 500,000 vitrified paving brick or block; from 1,250 to 1,700 bbls. Portland cement; from 800 to 1,000 cu. yds. sand; from 2,500 to 3,000 lin. ft. blue stone curbing. Specifications may be seen at office of Engineering News, 220 Broadway, New York. (Advertised, Engineering News.)

BUFFALO, N. Y.—Bids are asked by Department Public Works until July 21, for repairing Sycamore and Elk Sts. Francis G. Ward, Comr.

ELIZABETH, N. J.—Bids will be received until Aug. 1, for the repaving of Anna St., about 4,212 sq. yds., with asphalt on a concrete base; also for repaving Jefferson Ave., consisting of 6,398 sq. yds. asphalt pavement on depressed block; 556 sq. yds asphalt pavement 3½ ins. thick and 3,876 sq. yds. block relaid on concrete, tar and gravel filler. W. H. Luster, Jr., Engr., Elizabeth.

WEST HOBOKEN, N. J.—Board of Council has awarded the contract for paving Lake St. with Belgian blocks to CALLERY & MURPHY for $7,012.

JERSEY CITY, N. J.—Bids are asked by Board of Chosen Freeholders of Hudson Co., until July 17, 4 p. m., for reconstruction and improving of Paterson plank road from Congress St. to Central Ave., Jersey City. John P. Egan, Clk.

HOBOKEN, N. J.—Bids are asked by Mayor and Council, until July 26, 8 p. m., for repaving Jefferson and Seventh Sts. with Belgian block pavement. Jas. H. Londrigan, Cy. Clk.

HOHOKUS, N. J.—Bids will be received at council room, Mansion House, Hohokus, until July 22, 3:30 p. m., for curbing, grading, gutters and macadam, with necessary pipes, culverts and catch basins on five miles of streets in Borough of Orvil. Richard T. Dana, Boro. Engr., 15 William St., New York. (Advertised, Engineering News.)

McKEES ROCKS, PA.—Bids will be received at the office of Borough Clerk, 825 Mary St., until July 18, for laying brick and cement sidewalks on Island and Chartiers Aves. S. L. Gardner, Boro. Engr

WASHINGTON, D. C.—Bids are asked until Aug. 4, for construction of macadam roadways on approaches to highway bridge across Potomac River, Washington, D. C. Lt.-Col. Smith S. Leach, U. S Engrs. (Advertised, Engineering News.)

WASHINGTON, D. C.—Bids are asked by General Purchasing Agent, Isthmian Canal Commission, Washington, D. C., until August 5, 10:30 a. m., for furnishing 4,000,000 paving brick.

WHEELING, W. VA.—Bids will be received by County Commissioners until July 15, for laying about 2,000 sq. yds. brick paving at Highland Park, on the National Road; also for excavating about 1,200 cu. yds. Herman L. Ahrenz, County Engr., 1505 Chapline St.

MONTGOMERY, ALA.—Bids are asked by R. S. Williams, Cy. Treas., until July 17, noon, for paving sidewalks on several streets with Schillinger or Hexagon block.

MERIDIAN, MISS.—Bids are asked until July 17, for construction of the following quantities of brick sidewalk paving: 35,000 sq. yds. sidewalk; 5,000 sq. yds. vitrified brick crossings; 5,000 cu. yds. grading; 250 c. l. gutter covers Est. cost, $40,000.

PADUCAH, KY.—Thomas Bridges & Son are the lowest bidders at $97,887 for paving streets with brick and at $13,797 for laying concrete sidewalks, and will probably be awarded contract.

LOUISVILLE, KY.—Board Public Safety has announced that it will shortly receive bids for improving sundry streets. Brick and asphalt to be used. J. B. F. Breed is Cy. Engr.

WARREN, O.—Bids will be received by County Commissioners until July 17, for improving roads in Road Dist. No 2. A. G. McCorkle, Secy.

CINCINNATI, O.—Bids are asked by Board Public Service until July 27, for grading, curbing and paving with granite blocks a portion of Second St.

PORT CLINTON, O.—Bids are asked by W. H. Cleaver, Vil. Clk., until July 20, noon, for paving Fulton and Madison Sts. with either vitrified paving brick, blocks, asphalt blocks or sheet asphalt.

DELAWARE, O.—The contract for street paving here was awarded by Board Public Service to J. F. GANTZ, of Bowling Green, O. Cost, $26,950.

YOUNGSTOWN, O.—Bids are asked by Board Public Service until July 15, noon, for paving Ellenwood Ave., from Market St. to Erie St. G. T. Prosser, Clk.; F. M. Lillie, Cy. Engr.

KENTON, O.—Bids will soon be received by Board Public Service for 8,000 sq. yds. of brick or sheet asphalt paving, and the Board will be ready for bids about Aug. 1 for 15,000 sq. yds. of brick or sheet asphalt pavement to be laid this fall. P. K. Strong, Cy Engr.

CINCINNATI, O.—The Board Public Service has rejected all bids received June 26 for paving Second St. with granite and ordered a readvertisement. Kirchner Const. Co., of Cincinnati was the lowest bidder at $114,832. A list of bidders appeared in last issue of Engineering News. Geo. F. Holmes is Clk.

AKRON, O.—Bids will be received by Board Public Service until July 28 for paving Howard St., from Main to Federal St., with sheet asphalt. Bids for maintenance will also be received. J. W. Payne, Cy. Engr.

WOODVILLE, O.—The Council awarded, July 3, the contract for paving Maumee pike, about 3,000 ft., to HANLON CONST. CO., Cleveland, O., at $1.20. Athens block will be used with sandstone curb. J. C. Overmyer, Engr.

MIDDLETOWN, O.—Bids are asked by Board Public Service until July 17, noon, for furnishing all labor and material required to construct cement curbs and gutters, sidewalks and cross walks on several streets. Approximate quantities: 5,497 lin. ft. curb; 23,554 sq. ft. walks; 301 lin. ft. cross walks; 98 lin. ft. cross gutter. N. G. Oglesby, Clk.

NEWARK, O.—Bids are asked by Board Public Service until July 15, 12 M., for grading, curbing and paving with brick or asphalt on Locust and Stanbery Sts. Frank T. Maurath, Clk.

SEYMOUR, IND.—Bids are asked by Fred Everback, Cy. Clk., until July 20, 4 p. m., for building all unimproved walks on north side of Laurel St.

COLUMBUS, IND.—Bids are asked by Common Council, until July 20, for paving of Washington St. with asphalt except street railway tracks, which will be paved with brick. Geo. Vorwald, Cy. Clk.; Wm. H. Rights, Engr. (Advertised, Engineering News.)

INDIANAPOLIS, IND.—The Board Public Works will soon ask for bids for a brick roadway, cement walks and curb in Meridian St. Also for Warren bitulithic pavement in Tuxedo St. B. J. T. Jeup is Cy. Engr.

BLUFFTON, IND.—City Council has ordered the construction of a large amount of cement sidewalks and also for the paving of South St. with asphalt. Bids will be invited soon.

MONTICELLO, IND.—Bids will be received by County Commissioners until July 31, for construction of Weaver gravel road in Honey Creek Township. J. L. Ackerman, County Audr.

LOGANSPORT, IND.—Board Public Works awarded contract, July 8, for paving North St. with Warren bitulithic, to the WESTERN CONST. CO., for $26,579. W. A. Osmer, Cy. Engr

MARTINSVILLE, IND.—Bids will be received by County Commissioners until Aug. 7, for construction of 14½ miles of gravel road in Clay Township; also four miles of rock road in Ashland Township. Earle O. Gilbert, County Surv.

PAOLI, IND.—The contract for constructing road here was awarded July 5 to OLIVER P. FURLEY, Orleans, Ind., for $8,500.

MUSKEGON, MICH.—The Common Council has ordered the paving of the following streets: Fifth St., from Western Ave. to Houston St., bituminous macadam; Sanford St., bituminous macadam on sides and vitrified brick between car tracks; Lake St., from Laketon Ave. to Addison St., vitrified brick; Terrace St., from Concord to Irwin St., crushed stone. Address City Recorder.

CEDAR SPRINGS, MICH.—The city has voted to issue $5,000 bonds for street improvements.

DETROIT, MICH.—Wm. H. Maybury, Comr., June 23, opened bids for paving five streets with cedar, two with brick, an alley with brick and repaving two streets. The lowest bidders were as follows: Cedar: 24th St., from Michigan Ave. to Buchanan St., F. Porath & Sons, $12,828; Mott Ave., from the present pavement to Oakland Ave., Jas. Hanley, $5,143; Williams Ave., from Michigan Ave. to Myrtle St., F. Porath & Sons, $10,695; Oakland Ave., from Sidney Ave. to Mott Ave., including double track, Jas. Hanley, $23,533; Elm St., from Vermont Ave. to Wabash Ave., F. Porath & Sons, $2,498. There were four other bidders. Brick: Lovett Ave., from Michigan Ave. to Torrey St., F. Porath & Sons, $825; Elmwood Ave., from Waterloo St. to Hendricks St., Jas. W. Hanley, $2,265; Alley 118, bounded by Fifth, Sixth, Fourth and Lafayette Ave., Jas. W. Hanley, $1,140.

DETROIT, MICH.—The Common Council has directed the Department Public Works to advertise for sealed proposals for paving Atkinson Ave., 25 ft. wide, with sheet asphalt; est. cost, $6,552. Also Boston Blvd., 22 and 30 ft. wide, with sheet asphalt or macadam; cost, $10,472. Also Edison Ave., 24 ft.; cost, $7,084. Also Chicago Blvd., 22 and 30 ft. wide, with sheet asphalt; cost, $10,698. All to be on concrete foundation, with Medina, Berea, granite, North River bluestone, Elyria or other approved curbing.

EAST ST. LOUIS, ILL.—Bids are asked by Board Local Improvements until July 18, for paving several streets with brick; also for paving one street with bituminous macadam.

NEENAH, WIS.—The city will pave Ninth, Commercial and Main Sts. E. W. Thurston is Cy. Engr.

GREEN BAY, WIS.—W. W. Reed, Cy. Engr., has plans and will shortly advertise for bids for 1½ miles of macadam paving.

BELOIT, WIS.—The contract for paving Fourth St., 2,612 ft., was awarded July 8 to J. A. FOSTER, of Beloit. Robt. Caldwell, Cy. Engr

DES MOINES, IA.—Bids are asked by Board Public Works until July 22, for paving about 832 sq. ft. of Clark St. with vitrified brick; also for constructing about 12,280 lin. ft. of Portland cement curb on Kingman Ave. W. W. Wise, Chn.

DES MOINES, IA.—The BARBER ASPHALT PAVING CO. was awarded contract for paving West Walnut St. with sheet asphalt, at $25,779. John W. Budd, Cy. Engr.

LITCHFIELD, MINN.—Bids are asked by County Commissioners until July 20, for constructing two steel bridges, one over north fork of Crow River, in Foerst City Township; and the other over south fork of Crow River, in Cedar Mills Township; also a 12-ft span stone arch or concrete bridge over Collinwood Creek. J. N. Gaynor, County Audr

FREMONT, NEB.—City Council has passed an ordinance providing for the paving of Fifth St.

BELLINGHAM, WASH.—The City Council failed to approve the award made by Board Public Works for the improvement of 14th St. by macadamizing. The one bid submitted was considered too high.

REDLANDS, CAL.—The city voted $100,000, June 20, for 22 miles of macadam road and 15 miles of liquid petroleum surfacing on natural road bed. The electric railway company has six miles, 9 ft. wide, to macadam and one-quarter of a mile of asphalt pavement to construct. C. C. Brown, Cy. Engr.

SAN DIEGO, CAL.—The contract for construction of roads, sidewalks, gutters, etc., at Fort Rosecrans, Cal., bids for which were opened June 22, has been awarded to JAMES McNAIR, of San Bernardino, Cal., for $18,978. Capt. R. N. Rolf is Q. M.

MANUFACTURING PLANTS.

The names of parties awarded contracts are printed in capital letters.

PITTSFIELD, MASS. — BECKWITH & PIKE have the contract to build an auto manufacturing plant and garage for the Alden Sampson Mfg. Co. Brick, 1 and 2 stories, 76 × 170 ft. Cost, $60,000. Chas. K. Stearns, 93 Federal St., Boston, is Engr.

FITCHBURG, MASS.—The Simmonds Mfg. Co. will erect a blacksmith shop and addition to its factory, to cost $70,000. Dean & Main, Engrs., 53 State St., Boston. S. S. & H. M. LAWRENCE, Contrs.

LAWRENCE, MASS.—The Lawrence Gas Co. and the American Woolen Co. are planning to extend their plants along the south bank of Merrimac River in this city. The south canal will also be extended and will run along the South Union St. bank to Merrimac River. Address Cornelius A. McCarthy of the gas company, Wm. M. Wood, Treas., Boston, and R. H. Tewksbury, Berkeley St., Lawrence.

TORRINGTON, CONN.—Bids for two factory buildings for Excelsior Needle Co., Torrington, were opened July 10 at office of Chas. S. Palmer, Arch., Meriden, Conn. Previously noted.

NEW YORK, N. Y.—Ralph S. Townsend, Arch., 29 East 19th St., will prepare plans for a ten-story printing house for Jos. J. Little, of J. J. Little & Co., 2 Astor Place. Cost, about $350,000.

Henri Fouchaux, Arch., Broadway and 162d St., has plans for a brick, stone, concrete and iron, slag roof, factory, with store, for Ida M. Powell, 326 West 72d St. Cost, $40,000.

P. C. Ketterer, 214 West 17th St., is taking figures on a factory and warehouse to be erected at 211-15 West 19th St., for himself. Ross & McNeil, Archs., 39 East 42d St. Brick and stone, 5 stories, 50 × 100 ft. Gas engine, shafting and belting and heating system. Previously mentioned.

SYRACUSE, N. Y.—The Syracuse Stone Co. has bought a lot, 70 × 100 ft., and will build an addition thereon.

ARLINGTON, N. J.—SALMONE BROS., Arlington, were awarded the general contract for erecting an addition to the Essex Pearl Button factory at Arlington, for Ely Realty Co., 364 Broadway, New York. Brick, 3 stories, 60 × 200 ft. Boilers, engines, shafting, belting, heating system and blowers.

JERSEY CITY, N. J.—E. R. Knowles, 136 Liberty St., New York, has been appointed consulting engineer for new plant to be erected in Jersey City by J. Cahn & Co., for the manufacture of chemicals. Heating system, one 30-HP. electric motor, boilers, shafting and belting, steel stack, etc.

JERSEY CITY, N. J.—J. T. Rowland, Arch., 16 Exchange Place, Jersey City, is taking figures on an addition to factory of the International Match Co., at New and Laidlaw Sts., Jersey City. Brick, 3 stories, 40 × 125 ft.

ARLINGTON, N. J.—SALMOND BROS., of Arlington, has been awarded contract for new factory for the Essex Pearl Button Co., 114 Williams St., Newark, N. J.

LAMBERTVILLE N. J.—D. J. Price, of Lambertville, will erect in the near future a rubber plant, details of which have not been decided.

HARRISON, N. J.—Hooper & Co., Archs. 278 Washington St., Newark, have prepared plans for the Driver-Harris Wire Co. for the extension of its plant, at Railroad Ave. and Fourth St., Harrison. The addition will be 36 × 95 ft., of brick. Cost, $9,000.

WORTENDYKE N. J.—The Granite Union Co. will build a temporary mill in Wortendyke near the one recently destroyed by fire. Electricity will be the power used.

JERSEY CITY, N. J.—The Eureka Fire Hose Co. has accepted plans from Dodge & Morrison, Archs., 82 Wall St., New York, for a two-story brick factory building, 80 × 143 ft., to be erected as an addition to its present plant, at Garfield and Arlington Aves., Jersey City.

READERS' WANTS If any one is in the market for any engineering or contracting supplies, the first thing to do is to refer to our advertising pages, but if the buyer cannot find what he wants we particularly ask that he notify us at once and we will inform the proper parties without cost to the inquirer. A copy of **ENGINEERING NEWS BUYERS' GUIDE** will be mailed to any one upon application. This paper will always appreciate any news notes regarding public, or important private work, and will be pleased to receive detailed items. Requests to hold names will be complied with in every case. **Do not fail to write our advertisers or us.**

AIR COMPRESSORS.—Elberton, Ga.—The Swift Granite Co. is in the market for air compressors, and wishes to receive catalogues.

MECHANICAL DRYER, ETC.—Philippines—We are informed that Amalot Bros., of Tayabas, Tayabas Province, P. I., are in the market for a mechanical dryer for their cocoanut-oil compressing plant, and E. W. McDaniel, of Lucerna, Tayabas, P. I., is in the market for a concrete block making machine.

AIR MOTORS.—Brooklyn, N. Y.—The Brooklyn Heights R. R. Co., F. R. Schoolfield, Ch. Engr., 52d St. and 2d Ave., writes us that it is in the market for air motors. The company intends to purchase air motors of 3 HP. or less, for driving through intermediate gearing furnished by its mechanism for righting a dumping car.

ZINC STATUARY.—New York, N. Y.—Jas. B. Clow & Sons, 11 Broadway, write us that they are in the market for some zinc machinery.

MAILING TUBES.—Rome, N. Y.—Emile Low, C. E., Barge Canal Office, writes us that he wants the names of makers of mailing tubes for sending maps, tracings, etc.

COST OF MAINTAINING AUTOMATIC RAILWAY SIGNALS.—Jamaica, B. W. I.—J. H. Dodd, Asst. Engr., Jamaica Government Ry., Kingston, Jamaica, writes us that he wishes data regarding the cost of maintaining automatic signals, such as gongs on road crossings, etc. On account of the tropical climate the question of the heavy rains and the rapid corrosion of iron and steel where the road runs by the sea have to be taken into consideration.

UNIONTOWN, PA.—The Labor Brewing Co. has purchased a site and will build a brewery. Jas. I. Feather and W. A. McHugh are interested.

KINGSTON, PA.—Hess, Goldsmith & Co., 53 Greene St., New York, will take figures soon on a lighting and power plant for their new silk mill at Kingston, for which C. C. Holden, 1135 Broadway, New York, is the architect and PETER STIPP, of Scranton, Pa., is the general contractor. Previously noted.

WILKESBARRE, PA.—JOS. DUNFEE, Syracuse, N. Y., was awarded general contract for erecting a brewery at Wilkesbarre for the Luzerne Brewing Co., Wilkesbarre. M. C. Conway, Arch., Syracuse, N. Y. Brick, 3 stories, 75 × 100 ft.

PHILADELPHIA, PA.—William Steel & Sons, 16th and Arch Sts., want sub-bids for an addition to mill at 22d St. and Lehigh Ave., for the Lehigh Mfg. Co. Brick, 3 stories, 75 × 440 ft.

BALTIMORE, MD.—Owens & Sisco, Archs., 14 East Lexington St., Baltimore, have plans for alterations and improvements to Rice Bros.' bakery at Gay St., near Front St. Cost, $9,000.

JOHN HILTZ & SONS, 3 Clay St., Baltimore, have the contract to erect a four-story factory building, 50 × 125 ft., for the Crown Cork & Seal Co., at Canton. Cost, $50,000.

Wm. S. Thomas, 506 Fidelity Bldg., Charles and Lexington Sts., will erect two buildings for manufacturing purposes at Holliday and Centre Sts.; one building to be 4 stories high, 60 × 150 ft., and the other 2 stories high, 100 × 150 ft.

J. A. Dempwolf, Arch., York, Pa., has completed plans for an abattoir building, to be built on Frederick Road, near this city. Brick and concrete, 3 stories, 50 × 150 ft. Cost, $100,000.

Filro Richardson, 318 North Holliday St., will erect a brass foundry at 315 North St. Brick, 3 stories, 28 × 82 ft. Henry J. Tinley, Arch., Hoffman Bldg.

NORFOLK, VA.—ALSOP & PEIRCE, 14 First National Bank Bldg., Newport News, have contract, at $46,000, for the erection of factory building of frame, 181 × 600 ft., on concrete foundation; wharf, 200 × 30 ft., and pier, 232 × 20 ft., for the Pocomoke Guano Co.

WHEELING, W. VA.—The Hanlon & Sharpe Paper Co., Barnesville, O., has purchased a site at Wheeling for its new factory. R. J. McCullagh, Wheeling, may be addressed.

SPRAY, N. C.—The Rhode Island Co. will build an addition to its plant. Lockwood & Queen are Archs.

ROCK HILL, S. C.—R. D. Robertson, of Mayfield, Ky., contemplates erecting an ice factory here at a cost of $15,000.

BRUNSWICK, GA.—Guy L. Crawford, Quantico, Md., has purchased a tract of timber land near Brunswick and will erect sawmill for its development.

CENTERVILLE, MISS.—The Red Snapper Sauce Co. will erect a 1½-story sauce factory about Dec. 1. It will probably be of galvanized iron, about 100 ft. square. Will want bids on material about Nov. 1. R. E. Hines is Gen. Mgr.

TOLEDO, O.—L. G. Welker, Arch., Spitzer Bldg., has completed plans for two additions to Ensign Foundry Co. Portions of each will be two stories, of brick, the remainder and larger portion being one story. The larger will be 60 × 127 ft. and will be used as a foundry. The smaller building will be 40 × 87 ft., and will be used as a paint shop and rattling room. Cost, $13,000. Contracts will be let shortly by architect.

MIDDLETOWN, O.—P. A. Sorg Paper Co. has plans for extensive alterations to its present mill buildings. Day work.

MIDDLETOWN, O.—The Wardlow Thomas Paper Mill Co. has had plans prepared for extensive alterations to its paper mill buildings. Concrete construction. Day work.

CINCINNATI, O.—The Day & Night Tobacco Co. has purchased property on which it will erect a $100,000 plant. Concrete, 6 stories, 62 × 135 × 153 ft. Gustave W. Drach, Arch., Union Trust Bldg. Address Walter J. Friedlander, Canal and Plum Sts.

ASHLAND, O.—F. E. Myers & Bro. will erect an addition, 60 × 300 ft., to their machine shop.

GREENFIELD, IND.—The Hollweg Fruit Jar & Bottle factory will be enlarged and improved at an estimated cost of $150,000.

DETROIT, MICH.—Rogers & MacFarlane, Archs., 1310 Penobscot Bldg., have plans ready for figures for a rubber manufacturing plant for the Morgan-Wright Co. Plant to consist of the following buildings: Two 5-story buildings, 65 × 300 ft.; one 5-story building, 65 × 200 ft.; one 3-story building, 80 × 105 ft.; one 1-story building, 80 × 60 ft.; one 3-story boiler and engine house, 80 × 110 ft.; one 1-story boiler house, 45 × 160 ft., and 3-story office building, 60 × 40 ft. Cost, $500,000.

GREENVILLE, MICH.—The Greenville Gas & Gasoline Engine Co., E Rutan, Pres., has been organized and will erect a two-story building, 35 × 210 ft., on Williams St.

MILWAUKEE, WIS.—Allis-Chalmers Co. has begun extensions to its works at West Allis, Milwaukee. Company has awarded to JAMES STEWART & CO., of Pittsburg, Pa., the contract to act as supervising engineers and managers of construction for the entire undertaking. The AMERICAN BRIDGE CO., of New York, has secured the contract for structural steel, erected in place, for three of the new buildings, a contract which calls for approximately 6,800 tons of steel. The RITER-CONLEY MFG. CO., of Pittsburg, Pa., has been awarded contract for structural steel, erected in place, for foundry and pattern storage buildings and erecting shops, comprising approximately 4,000 tons of steel.

Amos. W. Barnes, Arch., Ninth and Walnut Sts., has received bids for an addition to factory at 1237-41 Carpenter St., for the Main Belting Co. Brick, 3 stories, 45 × 100 ft.

Wm. Steele & Son, Archs., Philadelphia, have plans in progress for a silk mill for the Pine Tree Silk Mill Co., of Philadelphia. The main building will be of brick, 5 stories, 75 × 200 ft.; also a power house, 1 story, 60 × 40 ft. Engines, motors, switchboards, electric wiring, shafting and belting, elevators, heating system, etc.

The National Soap Co., 26th St. and Susquehanna Ave., Philadelphia, will erect a new factory. Brick, 3 stories, 50 × 180 ft.

DUBUQUE, IA.—Ballinger & Perrot, Archs., 1200 Chestnut St., Philadelphia, Pa., have completed plans for a factory for the A. Y. McDonald & Morrison Mfg. Co., of Dubuque. Brick, 1 story, 60 × 140 ft.

ST. PAUL, MINN.—The Val Blatz Brewing Co. has plans drawn for a large addition to its plant here. A two-story brick warehouse, brick bottling works, wash house, ice house and office building will be erected. Cost, $25,000.

DULUTH, MINN.—The Minnesota Mining & Mfg. Co. will spend $50,000 in alterations on the Imperial Mill. Will fit it up for the manufacture of emery wheels.

PARSONS, KAN.—The Missouri, Kansas & Texas Ry. Co. has accepted a land proposition made by this city and will build new shops here at a cost of $1,650,000. The site will cover 30 acres in the residence district. City will provide part of the land. S. B. Fisher is Ch. Engr., St. Louis, Mo.

BILLINGS, MONT.—The Great Western Sugar Co., Chas. Boettcher, Denver, Colo., representative, will build a beet sugar factory at Billings in time for next year's crop. Cost, about $500,000.

HOUSTON, TEX.—The Southern Pine & Cypress Co., 517 Binz Bldg., contemplates building a planing mill during the present year, also installing steam dry-kiln.

SEATLE, WASH.—Schwarzchild & Sulsberger, meat packers of New York and Chicago, have taken a permit for the erection of a large warehouse and plant on Massachusetts and Railroad Aves. The structure will be the distributing center for all the northwestern trade of the corporation.

MISCELLANEOUS CONTRACTS.

The names of parties awarded contracts are printed in capital letters.

DREDGING. — Vincennes, Ind.—R. A. BROWN & CO., of Vincennes, have secured a contract for dredging Pigeon Creek in Warrick and Spencer Counties. Cost, $19,500.

FURNITURE.—Washington, D. C.—Contract for furniture, etc., for rural free delivery systems has been awarded to the DALTON FURNITURE CO., of High Point, N. C., at over $100,000.

BARGES.—Texas.—DRACKETT & TERRBONNE, of Morgan City, La., have been awarded contract by the Southern Pacific Co. for ten model barges for service on Buffalo Bayou, Texas. They will be [illegible] long.

RIPRAP.—Duluth, Minn.—Bids were received on June 26, as advertised in Engineering News, for furnishing and placing riprap at Grand Marais. Powers & Mitchell, of Marquette, Mich., were lowest bidders, at $26,200.

PIER.—New York, N. Y.—Bids are asked until 2 p. m., July 14, for building a new pier, with appurtenances, between 42d and 43d Sts., North River, Borough of Manhattan. Maurice Featherson is Comr. Docks & Ferries Department.

STEEL BARS.—Glendive, Mont.—Bids are asked until 10 a. m., August [illegible] for furnishing 600,000 lbs. of square steel bars for reinforcement of concrete. Frank E. Weymouth, Glendive, is Engr. (Advertised, Engineering News.)

DREDGING.—Boston, Mass.—[illegible] one bid was received for dredging channel in Salem Harbor, that of the Eastern Dredging Co., which offered to do the work for [illegible] cts. per cu. yd. for sand, gravel, etc., and $5 per cu. yd. for ledge and boulders.

DREDGING.—Duluth, Minn.—Bids were received June 27 for dredging about 117,000 yds. in Cortage Lake Ship Canal, Keweenaw Point, Mich., as advertised in Engineering News. JAMES PRYOR, of Houghton, Mich., was awarded contract, at $17,850.

SWEEPING MACHINES.—New York, N. Y.—Bids are asked until noon, July 21, for furnishing seven sweeping machines in Manhattan and the Bronx Boroughs, and five sweeping machines in Brooklyn Borough. J. McG. Woodbury, Comr. Street Cleaning.

DREDGING.—Portland, Ind.—Judge R. K. Erwin, acting as special judge, has ordered the dredging of the Salamonia River for a distance of 21½ miles, extending from six miles southeast of Portland through this city to Pennville. The estimated cost is $117,000.

CAISSONS.—Washington, D. C.—Contracts for 140 caissons were divided between the DRIGGS-SEABERY ORDNANCE CO., at $1,293 each for 70 caissons, and the AMERICAN & BRITISH MFG. Co., of Bridgeport, Conn., at $1,499 each. Bids were received on June 13.

DITCH WORK.—Prophetstown, Ill.—Contract for enlarging and constructing main ditch and one tributary, requiring about 300,000 cu. yds. excavation, was awarded to POLLARD, GOFF & CO., of Champaign, Ill., at 6 cents a cu. yd. F. W. Sears, Prophetstown, is Engr.

DREDGING.—Newport, R. I.—Bids were received by Lt.-Col. J. H. Willard, Engrs., on July 8 for dredging in entrance channel to Great Salt Pond, Block Island, R. I., as advertised in Engineering News. Charles M. Cole, of Fall River, Mass., was lowest bidder, at 27 cts. per cu. yd., for about 120,000 cu. yds.

DREDGING.—Savannah, Ga.—Bids were received on June 30 for dredging in harbor at Savanah, Ga., by Lt.-Col. James B. Quinn, U. S. Engrs. Advertised in Engineering News. Bid of George W. Catt, 21 Park Row, New York City, was lowest, at 17.4 cts. per cu. yd., and total of $30,450, and was recommended for acceptance.

TELEPHONE SYSTEM.—Belle Fourche, S. Dak.—We are informed that bids were received on June 23 for construction of a telephone system. W. H. Crumb & Co., Chicago, Ill., was lowest bidder on instruments and 16 miles of telephone system, at $4,152. R. F. Walter is Engr.-in-Charge.

BREAKWATER.—Bradford, R. I.—R. H. BEATTIE, of Fall River, Mass., has been awarded a contract to construct a breakwater and approach at the United States coaling depot at Bradford, R. I., at $104,800. The breakwater will extend north and south, parallel with the shore, and is to be about 500 ft. long.

TUNNEL.—Billings, Mont.—Bids are asked until 2 p. m., Sept. 6, for constructing a tunnel approximately 18,000 ft. long, and auxiliary works, including about 28,000 cu. yds. of excavation in open cut, all located ten miles east of Cody, Wyo. Jeremiah Ahern, at Cody, is Engr. (Advertised, Engineering News.)

DREDGING.—Boston, Mass.—Bids were received by Col. W. S. Stanton, Engrs., on June 26, as advertised in Engineering News, for dredging the Mystic River, Mass. Eastern Dredging Co., 28½ cts. a cu. yd. and $5 a yd. for boulders; J. D. Packard Dredging Co., 27 9-10 cts. a cu. yd. and $10 a yd. for boulders.

RUBBER HOSE.—New York, N. Y.—Bids are asked by Department Street Cleaning, until noon, July 20, for furnishing and delivering 20,000 feet of rubber hose. F. M. Gibson, Deputy Acting Comr. Bids will be received at same date for furnishing and delivering 5,000 ft. of rubber hose in Brooklyn Borough.

CHANNEL.—Boston, Mass.—Bids are asked until 2 p. m., July 27, for constructing a new outlet for Herring River, at Harwich, Mass. The work to be done is the construction of a channel and jetties to form a new outlet to Herring River and the building of a dam to close the present outlet. Woodward Emery, Harbor & Land Comr.

DREDGING.—Wilmington, Del.—As announced last week, bids were received on June 26, as advertised in Engineering News on June 1, for dredging Christiana River. The BOWERS HYDRAULIC DREDGING CO., of Camden, N. J., which submitted low bid, at 11 cents per cu. yd., was awarded the contract on July 5.

DAM, CRIBS, ETC.—Mobile, Ala.—We are informed that but one bid was received on July 3 for building dam, abutment and guard cribs at Lock No. 1, McGrews Shoals, Tom-

bigbee River, Ala., as advertised in Engineering News. Total amount of bid submitted by Rudolph S. Blome Co., Unity Bldg., Chicago, was $118,814. Major W. E. Craighill, Engrs.

DAM AND TUNNELS.—Billings, Mont.—Bids are asked until 2 p. m., Sept. 5, for construction of the Shoshone dam, spillway, outlet and feed tunnels, requiring about 69,000 cu. yds. of concrete masonry and about 75,000 cu. yds. of excavation, located eight miles west of Cody, Wyo. Jeremiah Ahern, Engr., at Cody. (Advertised, Engineering News.)

DREDGING.—Wilmington, Del.—Bids were received on July 6, as advertised for in Engineering News, for dredging Mispillion River, Del. The Houston Richards Dredging Co., of Philadelphia, submitted lowest bid, at 14 cents per yard. Bids were received also for repairing and extending the jetty at mouth of the Mispillion River. Lowest bid was submitted by Franklin K. Wills Co.: For extending jetty, $6.68 per foot; for repairing 266 ft., $3.23 per foot.

LAND RECLAMATION.—Kewanee, Ill.—Green River Special Drainage District Commission has awarded contracts for straightening course of Green River and reclaiming for cultivation about 40,000 acres of land. Work will cost $425,000. Contracts for first and third sections and all lateral ditches were awarded to G. A. McWILLIAMS, of Walnut, Ill., and second district to CENTRAL STATES DRAINAGE CO., of Marion, O.

CANAL.—Montrose, Colo.—Bids are asked at the office of the Engineer, U. S. Reclamation Service, Montrose, Colo., until 10 a. m., Aug. 28, for the construction of about eight miles of main distributing canal, involving the excavation of 525,000 cu. yds. of material and the placing of 20,000 cu. yds. of concrete masonry for the conveyance and partial distribution of 1,300 cu. ft. of water per second from the mouth of the Gunnison Tunnel, near Cedar Creek, to a point on the Uncompahgre River, nine miles south of Montrose, Colo. (Advertised, Engineering News.)

*CEMENT.—Wheeling, W. Va.—Following bids were received May 16, at U. S. Engineer's Office for furnishing and delivering American Portland cement for Dam No. 18, Ohio River, (1) being bid per bbl. in wood, (2) bid for cement in paper: Atlas Portland Cement Co., New York, (1) $1.64, (2) $1.37, Atlas brand. Commercial Wood & Cement Co., New York, (1) $1.70, (2) $1.48, Saylors brand. Alma Cement Co., Philadelphia, Pa., (1) $1.38, Alma brand. B. Wallis & Co., Baltimore, Md., (1) $1.95, (2) $1.70, Alsen brand. Alpha Portland Cement Co., Easton, Pa., (1) $1.95, (2) $1.68, Alpha brand.

12 cts., (2) 18 cts., (3) $19,020; Zenith Dredge Co., Duluth, Minn., (1) 15 cts., (2) 24 cts., (3) $25,020; James Pryor, Houghton, Mich., (1) 11 cts., (2) 17 cts., (3) $17,850.

*U. S. RECLAMATION.—Billings, Mont.—The following bids were received June 28 at Billings, for constructing main canal, Huntley Project, Montana: (1) Nick Hughes, Butte, Mont.; (2) Griffiths & McDermott, Chicago, Ill.; (3) Challahan, Katz Phelan & Shirley, Omaha, Neb.; (4) W. D. Lovell, Minneapolis, Minn.; (5) Cotton Bros. & Co., Oakland, Cal.; (6) Chas. Spear, Billings; (7) Jas. Forrestal Co., St. Paul, Minn.:

BIDS RECEIVED AT BILLINGS, MONT., JUNE 28, 1905, FOR CONSTRUCTING MAIN CANAL, HUNTLEY PROJECT, MONTANA.

Items.	Quantities	(1)		(2)		(3)		(4)		(5)		(6)		(7)	
Division I.:															
Dry excavation, Class I	35,000 cu. yds.	.17	$5,950	.17	$5,950	.17	$5,950	.21	$7,350	.23	$8,050	.50	$17,500	.....	.....
" " II	14,000 "	.50	7,000	.33	4,620	.40	5,600	.74	10,360	.60	8,400	.60	8,400	.....	.....
" " III	29,000 "	.97	28,130	.85	24,650	1.15	33,350	.99	28,710	1.05	30,450	.90	26,100	.....	.....
Wet excavation " I	20,000 "	.50	10,000	.25	5,000	.40	8,000	.63	12,600	.27	5,400	.75	15,000	.....	.....
" " II. & III	1,000 "	1.50	1,500	1.00	1,000	1.40	1,400	1.50	1,500	2.50	2,500	1.10	1,100	.....	.....
Overhaul	1,000 "	.10	100	.015	15	.02	20	.02	20	.02	20	.025	25	.....	.....
Tunnel, Type I	900 lin. ft.	12.00	10,800	33.00	29,700	35.85	32,265	39.00	35,100	29.00	26,100	39.00	35,100	.....	.....
" II	315 "	13.00	4,095	39.00	12,285	45.85	14,242	42.00	13,230	31.00	9,765	42.00	13,230	No Bid.	
" III	300 "	15.50	4,650	45.00	13,500	49.85	14,955	49.00	14,700	33.00	9,900	43.00	12,900	.....	.....
Concrete, Class I	2,200 cu. yds.	3.50	7,700	6.25	13,750	8.00	17,600	3.73	8,206	7.00	15,400	6.00	13,200	.....	.....
" " II	100 "	6.00	600	6.75	675	9.00	900	4.00	400	8.00	800	7.00	700	.....	.....
Setting gates	40,000 lbs.	.025	1,000	.015	600	.02	800	.015	600	.03	1,200	.02	800	.....	.....
Riprap	100 cu. yds.	4.00	400	1.25	125	2.00	200	3.50	350	2.75	275	3.00	300	.....	.....
Rubble wall	100 "	5.00	500	2.25	225	2.50	250	3.50	350	3.00	300	3.00	300	.....	.....
Total for Div. I		††	$82,425		$112,095		$135,732		$133,476*		$118,590*		$144,655		.....
Division II.:															
Excavation, Class I	305,000 cu. yds.	.15	$45,750	.115	$35,075	.15	$45,750	.139	$42,395	.....	.....	.....	.....	.17	$51,850
" " II	100 "	.60	60	.30	30	.30	30	.80	80	.....	.....	.....	.....	1.00	100
" " III	100 "	1.50	150	.75	75	.80	80	1.20	120	No Bid.		No Bid.		2.00	200
Overhaul	20,000 "	.10	2,000	.015	300	.02	400	.015	300	.....	.....	.....	.....	.015	300
Riprap	100 "	5.00	500	1.50	150	2.00	200	3.50	350	.....	.....	.....	.....	4.00	400
Total for Div. II		†	$48,460	‡	$35,630		$46,460		$43,245		.....		.....		$52,850
Division III.:															
Excavation, Class I	350,000 cu. yds.	.15	$52,500	.12	$42,000	.15	$52,500	.169	$59,150	.....	.....	.....	.....	.17	$59,500
" " II	100 "	.60	60	.40	40	.30	30	.85	85	.....	.....	.....	.....	1.00	100
" " III	100 "	1.50	150	.80	80	.80	80	1.00	100	No Bid.		No Bid.		2.00	200
Overhaul	20,000 "	.10	2,000	.015	300	.02	400	.02	400	.....	.....	.....	.....	.015	300
Riprap	100 "	5.00	500	1.50	150	2.00	200	4.00	400	.....	.....	.....	.....	4.00	400
Total for Div. III.		†	$55,210‡		$42,570		$53,210		$60,135		.....		.....		$60,500
Grand total			186,095		190,295		235,402		236,856		.....		.....		113,350

* Condition in bid—For whole of Division I. or nothing. † Condition in bid—For whole of division. ‡ Lowest bid for division.

JETTY WORK.—Galveston, Tex.—Bids were received on June 28 for jetty work at Galveston, mouth of Brazos River and Aransas Pass by Captain Edgar Jadwin, U. S. Engrs. Advertised in Engineering News. Charles Clarke & Co., of Galveston, were lowest bidders for the work as a whole on the three projects, at $426,930. For the work separately on each project, $443,890.

DREDGING.—Boston, Mass.—Bids were received for dredging work, as follows: Dredging Weymouth River—Eastern Dredging Co., 40 cts. a cu. yd. and $5 for boulders; E. J. Donovan, 42 cts. and $10; Bay State Dredging Co., 45 cts. and $5. For dredging Town River—Eastern Dredging Co., 34½ cts and $5; E. J. Donovan, 35 cts. and $10; Bay State Dredging Co., 36¼ cts. and $5.

JETTY EXTENSION.—Newport, R. I.—Bids were received on July 8 by Lt.-Col. J. H. Willard, Engrs., for construction of extension of jetty at entrance to Great Salt Pond, Block Island, R. I., as advertised in Engineering News. The bid of E. S. Belden & Sons, Hartford, Conn., at $1.23 per ton or 2,000 lbs., in place at jetty, was recommended for acceptance. It was the lowest bid.

DREDGING.—Newport, R. I.—Bids were received for dredging at Tiverton, R. I., at the opening of the draw at the new bridge across the Seaconnet River, known as Stone Bridge, as follows: J. K. Sullivan, Newport, $2.95 per cu. yd.; J. S. Packhard Dredging Co., Providence, $2.70; Beattie & Wilcox, Fall River, $2.23; R. G. Packhard, New York, $2.13; Charles M. Cole, Fall River, $1.87.

DREDGING.—Portland, Me.—Two bids were received on June 30, as advertised for in Engineering News, for dredging York Harbor. The contract called for the removal of 40,418 cubic yards. The bids were as follows: Simon J. Donovan, Boston, Mass., dredging, $0.31½; boulders, $10. Hamilton & Sawyer, Boston, Mass., dredging, $0.279; boulders, $4. Lieut.-Col. W. M. Black, U. S. Engrs., is in charge.

CONTRACT PRICES.

[Where (*) precedes items under Contract Prices the work was advertised in Engineering News.]

DREDGING.—Portland, Me.—The following bids were received June 30, as advertised in Engineering News, for dredging in York Harbor, Me.: (a) 40,418 cu. yds. dredging, (b) boulders per ton: Simon J. Donovan, (a) 31½ cts.; (b) $10; Hamilton & Sawyer, (a) 27.9 cts., (b) $4. Maj. W. M. Black, U. S. Engrs.

*U. S. RECLAMATION.—Billings, Mont.—The following bids were opened June 28 at office of U. S. Reclamation Service, Billings, by H. N. Savage, Supv. Engr.: A. J. Wiley, Consult. Engr.; Robt. S. Stockton, Project Engr., and A. E. Chandler, Engr. in Reclamation Service, for constructing structures on the Huntley Project, Montana: (1) W. D. Lovell, Minneapolis, Minn.; (2) Deadwood (S. D.) Const. Co.; (3) Chas. Spear, Billings; (4) Cotton Bros. & Co., Oakland, Cal.; (5) Vulcan Iron Works, Chicago, Ill.; (6) Wm. Bayley Co., Springfield, O.; (7) Midland Bridge Co., Kansas City, Mo.; (8) W. H. Backus & Son, Portland, Ore.:

*SEWAGE DISPOSAL PLANT.—East Syracuse, N. Y.—Following bids were received June 15 by Board Sewer Commissioners for construction sewage disposal plant; Morrison & Farrington, Inc. Engrs., Syracuse, N. Y.: (1) Frank Pidgeon, Saugerties, N. Y.; (2) De Nallo & Klingburg, Kingston, N. Y.; (3) C. T. Hookway, Syracuse, N. Y.; (4) C. R. Lewis, Ilion, N. Y.:

Bids received at East Syracuse, N. Y., June 15, 1905, by Board of Sewer Commissioners, for Construction of Sewage Disposal Plant.

Items.	Quantities.	(1)	(2)	(3)	(4)
Earth excavation	2,000 cu. yds.	.30	.30	.25	.85
Material for filter beds	3,000 "	2.40	1.80	1.50	2.00
Trenching and backfilling for 8-in. and 10-in. pipe, double line	2,220 lin. ft.	.58	1.25	.60	.48
Trenching and backfilling for 8-in. and 10-in. pipe, single line	1,500 "	.45	.65	.40	.30
Concrete	500 cu. yds.	8.75	6.75	6.00	8.00
8-in. vitrified tile pipe	50 lin. ft.	.40	.30	.30	.25
10-in. vitrified tile pipe	3,525 "	.50	.40	.40	.60
4-in. closed drain tile	3,000 "	.30	.10	.06	.15
4-in. cast-iron soil pipe	150 "	.22	.30	.40	.50
8-in. cast-iron pipe	2,950 "	.75	.85	.80	.90
10-in. cast-iron pipe	84 "	.80	1.20	1.00	1.20
8-in. brass-faced flanged gate valves	6	25.00	30.00	30.00	23.00
10-in. brass-faced flanged gate valves	6	30.00	40.00	40.00	30.00
4-in. cast-iron ventilators	24	3.00	1.50	1.00	1.00
12-in. ventilators	2	8.00	20.00	3.00	10.00
Manholes, under 4 ft.	4	30.00	20.00	20.00	35.00
Manholes, under 10 ft.	3	40.00	40.00	40.00	40.00
Special castings	10,800 lbs.	.05	.05	.05	.07
10 in. or 12-in. I-beams	14,000 "	.03	.05	.05	.05
F. B. M. Y. P. plank	250	80.00	50.00	60.00	50.00
Distributing troughs	4	50.00	50.00	25.00	60.00
Totals		$21,391	$19,652	$16,046	$20,954

*DREDGING.—Duluth, Minn.—Following bids were received June 27 by Major Chas. L. Potter, U. S. Engrs., for dredging in Portage Lake Ship Canal, Mich., (1) being bid per cu. yd. scow measurement for 34,000 cu. yds. dredging in Sec. 1, (2) bid per cu. yd. scow measurement for 83,000 cu. yds. dredging in Sec. 2, (3) total bid: Great Lakes Dredging & Dock Co., Chicago, Ill., (1) 12½ cts., (2) 19½ cts., (3) $29,435; Lake Superior Contracting & Dredging Co., Duluth, Minn., (1) 12 cts., (2) 18 cts., (3) $19,020; Zenith Dredge Co., Duluth, Minn., (1) 15 cts., (2) 24 cts., (3) $25,020; James Pryor, Houghton, Mich., (1) 11 cts., (2) 17 cts., (3) $17,850.

DREDGING.—Newport, R. I.—Following bids per cu. yd. were received June 28 by Lt.-Col. J. N. Willard, U. S. Engrs., for dredging in Sakonnet River, R. I.: J. K. Sullivan, Newport, R. I., $2.95; J. S. Packard Dredging Co., Angell St., Providence, R. I., $2.70; Beattie & Wilcox, Fall River, Mass., $2.23; R. G. Packard Co., 100 Pearl St., New York, $2.13; Charles M. Cole, Fall River, Mass., $1.87. The sum of $50,000 is available; the approximate amount to be expended under this contract is $36,000.

*PILE DYKE WORK, ETC.—Duluth, Minn.—Following bids were received June 26 by Major Chas. L. Potter, U. S. Engrs., for pile dike work and rip-rap at Grand Marais, Mich.: (1) being bid per lin. ft. of 1,500 ft. pile structure in place (without the slab and rock filling), (2) bid per cord for 500 cords slab filling in place, (3) bid per ton of

BIDS OPENED AT BILLINGS, MONT., JUNE 28, 1905, AT OFFICE OF UNITED STATES RECLAMATION SERVICE, FOR CONSTRUCTING STRUCTURES ON THE HUNTLEY PROJECT, MONTANA.

Items.	Quantities.	(1)* Complete Contract.		(2)* Complete Contract.		(3)* Complete Contract.		(4)* Complete Contract.		(5) Part of Contract.		(6) Part of Contract.		(7) Part of Contract.		(8) Part of Contract.	
Excavation, Class I	10,000 cu. yds.	.65	$6,500	.30	$3,000	$1.00	$10,000	.55	$5,500	.....	.....	.....	.....	.....	.....	.....	.....
" " II	500 "	1.00	500	.40	200	.65	325	.90	450	.....	.....	.....	.....	.....	.....	.....	.....
" " III	500 "	2.00	1,000	.90	450	1.25	625	1.30	650	.....	.....	.....	.....	.....	.....	.....	.....
Overhaul	1,000 "	.025	25	.02	20	.05	50	.02	20	.....	.....	.....	.....	.....	.....	.....	.....
Puddling	500 "	.50	250	.50	250	.60	300	.75	375	.....	.....	.....	.....	.....	.....	.....	.....
Riprap	1,000 "	3.50	3,500	6.00	6,000	4.50	4,500	2.50	2,500	.....	.....	.....	.....	.....	.....	.....	.....
Rubble wall	200 "	3.50	700	4.50	900	5.40	1,080	4.00	800	.....	.....	.....	.....	.....	.....	.....	.....
Coarse Gravel	100 "	1.00	100	.75	75	.80	80	1.00	100	.....	.....	.....	.....	.....	.....	.....	.....
Concrete, Class I	400 "	3.73	1,492	6.40	2,560	5.70	2,280	10.00	4,000	.....	.....	.....	.....	.....	.....	.....	.....
" " II	1,200 "	3.98	4,776	7.50	9,000	9.50	11,400	10.50	12,600	.....	.....	.....	.....	.....	.....	.....	.....
Steel bridge, No. 1	42' span, complete	....	596†	....	850	....	1,400	....	900	.....	.....	.....	.....	$683§	.....	.....	.....
														563‖	.....	.....	.....
" " 2	60' span, complete	....	986‡	....	1,300	....	1,800	....	1,200	.....	.....	.....	.....	1,176§	.....	.....	.....
														943‖	.....	.....	.....
Gates and guides	6,000 lbs.	.06	360	.06	360	.08	480	.12	720	.0949	$569	.12	720	.....	.....	.....	.....
Stands with shaft, complete	4 each	150.00	600	100.00	400	150.00	600	100.00	400	91.90	367	150.00	600	.....	.....	.....	.....
Steel for concrete reinforcement	120,000 lbs.	.0288	3,456	.035	4,200	.035	4,200	.04	4,800	.....	.....	.....	.....	.....	.....	.037	$4,440
Tile drain pipe, 8-in.	1,500 lin. ft.	.45	675	.50	750	.40	600	1.00	1,500	.....	.....	.....	.....	.....	.....	.....	.....
Cast iron pipe, 8-in.	50 "	1.50	75	1.50	75	1.50	75	2.00	100	.....	.....	.....	.....	.....	.....	.....	.....
" valves, 8-in.	3 each	20.00	60	25.00	75	55.00	165	75.00	225	.....	.....	.....	.....	.....	.....	.....	.....
Flash boards	150 "	2.75	412	1.00	150	1.00	150	.30	45	.....	.....	.....	.....	.....	.....	.....	.....
Pumping station, Item "A"†	Complete	....	7,750	....	7,500	....	11,000	....	17,200	.....	.....	.....	.....	.....	.....	.....	.....
" " "B"²	Lin. ft.	25.00	....	12.55	....	28.00	....	30.00	....	.....	.....	.....	.....	.....	.....	.....	.....
" " "C"³	Complete	....	7,450	....	7,200	....	10,800	....	16,700	.....	.....	.....	.....	.....	.....	.....	.....
" " "D"⁴	Lin. ft.	20.00	....	6.85	....	25.00	....	25.00	....	.....	.....	.....	.....	.....	.....	.....	.....
Totals	With Item "A"		$33,813		$38,115		$51,110		$54,085								
	" "C"		33,513		37,815		50,910		53,585								

¹ Building, by-pass and auxiliary structures.
² Change in length of by-pass, if brick.
³ Same as "A," but with concrete by-pass.
⁴ Change in length of by-pass, if concrete.

* Condition in bid—"Contract must be for all items or nothing."
† Condition in bid—For wooden joists. If steel joists are used increase this amount by $100.
‡ Condition in bid—For wooden joists. If steel joists are used increase this amount by $150.

§ With steel rails and joists.
‖ With wooden rails and joists.

2,000 lbs. for 11,000 tons rock ballast in place, (4) total bid: Whitney Bros. Co., Superior, Wis., (1) $4.30, (2) $5.00, (3) $1.70, (4) $27,650. Powell & Mitchell, Marquette, Mich., (1) $3.50, (2) $4.50, (3) $1.70, (4) $26,200. After the bids were opened Powell & Mitchell offered to furnish hearts and quarters of ring rot, butts, etc., in place of slabs, at $3.50 per cord.

PORTSMOUTH, O.—Bids were received June 28 by Board Public Service for paving Sixth St. with vitrified brick as follows: (1) Jardine, Brewer & Timlinson, Chillicothe, O.; (2) Saml. Monroe & Sons, Portsmouth; (3) Jas. A. Kelly & Bros., Portsmouth:

Bids received at Portsmouth, O., June 28, 1905, by Board of Public Service, for Paving Sixth Street with Vitrified Brick.

Items.	Quantities.	(1)	(2)	(3)
Excavation	340 cu. yds.	.40	.37	.40
Paving	9,512 sq. yds.	1.05	.94	.98
Curbing	4,478 lin. ft.	.49	.45	.35
Sewers	670 "	.50	.42	.50
Manholes	3	30.00	23.00	22.00
Catch basins	15	25.00	23.00	20.00
Totals		$13,148	$11,794	$11,731

BRICK PAVING.—Belleville, Ill.—Following bids were received June 24 by Board Local Improvements, L. L. Harper, Cy. Engr., for paving Illinois St., with brick for a length of 2,200 ft. and a width of 40 ft., the foundation to consist of 4-in. of concrete and the curb to be of stone, 5 in. × 20 in.; the contract was let to REEB BROS., Belleville, Ill., for $18,211; (1) 10,550 sq. yds. paving, (2) 4,350 lin. ft. curb, (3) total bid:

Name.	(1)	(2)	(3)
Reeb Bros.	$1.52	$0.50	$18,211
McCabe & Co.	1.60	.52	19,142
O. T. Dunlap	1.66	.51	19,731
Holffken Bros.	1.58	.52	18,931
Hill & Gaynord	1.73	.55	20,644

CEMENT.—Cincinnati, O.—The following bids were opened at Cincinnati June 30 by Lt.-Col. E. H. Ruffner, U. S. Engrs., for furnishing Portland cement for use on ice piers in Ohio River as follows: 1,362 bbls. at Gallipolis, O., and 1,500 bbls. at Maysville, Ky.:

Bids opened at Cincinnati, O., June 30, 1905, for furnishing Portland Cement for use on Ice Piers in Ohio River.

Name and Address.	Brand.	Cement in bags delivered at: Gallipolis. per bbl.	Maysville. per bbl.	Rebate on sacks. per bbl.
Illinois Steel Co., Chicago, Ill	Universal	$1.90	$2.03	.40
Atlas Portland Cement Co., New York	Atlas	1.77	1.77	.40
Alma Cement Co., Philadelphia Pa	Alma	1.72	1.85	.40
Vulcanite Portland Cement Co., New York	Vulcanite	1.87	1.87	.40
Virginia Portland Cement Co., New York	Old Dominion	1.82	1.74	.40
The Miller Supply Co., Huntington, W. Va	Lehigh	1.85	1.85	.40
The Kelley Island Lime & Transport Co., Cleve., O.	Lehigh	2.00	2.00	.40
Alpha Portland Cement Co., Easton, Pa	Alpha	1.80	1.80	.40
Peninsular Portland Cement Co., Jackson, Mich	Peninsular	1.87	1.87	.40
Edison Portland Cement Co., Philadelphia	Edison	1.65	1.75	.40

FOREIGN CONTRACTS.

The names of parties awarded contracts are printed in capital letters.

DREDGES, BARGES.—Spain.—Bids will be opened at the office of the Port Works Board, Cadiz, about Sept. 1 for supply a rotary dredge, a suction dredge and two steam barges.

RAILWAY.—South Africa.—The time for receiving tenders by the Natal Government for the survey, construction and equipment, etc., of the Stuartstown Railway, noted in our issue of April 27, has been extended from July 17 to Aug. 17.

RAILS.—Australia.—Bids are asked for the manufacture, supply and delivery of steel rails and fishplates for the Victoria Railways. Bids, accompanied by the preliminary deposit of $1,250, must be lodged in the tender box at the Railway Offices, Melbourne, Victoria, Australia, or at the Office of the Agent-General for Victoria, 142 Queen Victoria St., London, E. C., before 1 p. m., Aug. 7.

WATER SUPPLY.—Greece.—A syndicate has been formed in London for the purpose of supplying Athens with water from Lake Stymphalia, which is situated 84 miles from that city. Bailey-Denton, 9 Bridge St., Westminster, London, England, has gone to Greece to carry out the necessary preliminary work, which includes a survey from Athens to the proposed source of supply.

HARBOR WORKS, BRIDGE, ETC.—Servia.—The Government of Servia is planning the construction of harbor works at Radujevac and the building of a bridge over the Danube. A loan of $22,000,000 has been negotiated, of which $8,000,000 will be expended on new rapid-fire guns and ammunition and $6,000,000 for construction of new railroad lines.

RAILWAY, ETC.—Peru.—Peruvian Government is stated to have awarded a contract to BLYTHON BROS., 63 Park Row, New York, for building a complete railway system at Iquitos and the construction of one of the largest electric light and heating plants in South America. In addition to this the firm has been awarded a contract for constructing a telephone system in the same city at a cost of about $1,000,000.

RAILROAD.—Ecuador.—Charles H. Moore, formerly First Assistant Engineer of the Erie R. R., at 23 Cortlandt St., New York, has obtained a concession from the Government of Ecuador for the survey of the railroad which is to be built from Ambato to a point on the Curary River, near Iquitos, Peru. He will sail for Guayaquil on July 12, and will be accompanied by Dr. R. S. Lavayen, Second Secretary of the Ecuadorian Legation.

INDUSTRIAL NOTES.

THE CHURCH CONSTRUCTION CO., New York, announce that after July 1 the executive offices will be located in the Fuller Building, Broadway and 23d St.

WM. B. SCAIFE & SONS CO., Pittsburg, have just been awarded the contract for all the structural steel work in connection with the Post Falls (Idaho) power plant to be built for the Washington Power Co., Spokane. One building is 174 ft. × 83 ft. × 52 ft. high; another 80 ft. × 32 ft. × 33 ft. high.

THE AMERICAN BRIDGE CO., of New York, is reported as having secured a contract from the Philadelphia R. T. Co. for 8,000 tons of steel rails. Orders have also been placed by the Spokane No. R. R. for 18,000 tons and the Great Northern R. R. for 15,000 tons with western and eastern mills, respectively.

THE ROBINS CONVEYING BELT CO., of New York, reports that among the recent sales are the following: The Semet Solvay Co., of Syracuse, N. Y., for the entire coal-handling machinery for the fast plants at Milwaukee, Chicago and Delray, Mich., consisting of belt conveyors and storing and reclaiming traveling bridges of great capacity and long span. Other work in hand includes ore-handling machinery for the Depue, Ill., works of the Mineral Point Zinc Co.; belt conveyors and bucket elevators for the power house at the West Point Military Academy and additional belt conveyors for handling coal at the subway power house of the Interborough Rapid Transit Co.

THE ROE STEPHENS MFG. CO., of Detroit, Mich., has purchased from C. W. Thomas the plant, equipment and business of the late Michigan Brass & Iron Works, of Detroit. The Roe Stephens plant, McKinley Ave. and Grand Trunk Ry., will be devoted to the manufacture of Scott Pop Safety valves, Goldsmith throttle valves, Scott gate valves, angle, globe and check valves and steam specialties. The "Michigan Plant" will continue to manufacture a full line of fire hydrants, "Michigan," "Flower-Bailey" and "Roe Stephens" patterns. Also the Michigan water gates, in all sizes (2 ins. to 120 ins.), valve boxes, indicator posts, foot valves, air and relief valves, plain and indicator floor stands, also a full line of Scott's goods in iron body, bronze mounted and all iron. C. W. Thomas, Pres.; T. P. Stephens, Sec.; Wm. Scott, Supt.

THE H. MUELLER MFG. CO., Decatur, Ill., has opened its Eastern Division at Nos. 254-258 Canal St., New York. The space occupied by the company includes the ground floor and basement, the latter extending under the sidewalk on either street side, making the total available space some 10,000 sq. ft. Mr. Tom F. Leary, for years the representative of the company in the central West, is the assistant manager. The territory covered by the new division comprises that east of the western line of Pennsylvania and north of the southern line of Virginia. Included in it are the following salesmen, with headquarters: Charles Tillinghast, New York; W. D. Malane, 20 Lincoln Place, Brooklyn; A. C. Pilcher, Heublin's Hotel, Hartford; W. F. McCarthy, Green's Hotel, Philadelphia; C. T. Ford, 1408 Pennsylvania Ave., Washington; W. L. Dickel, Young's Hotel, Boston; W. R. Hughes, 5711 Ripey St., Pittsburg; Geo. A. Caldwell, Arlington Hotel, Buffalo; and Howard A. Garrard, New Falmouth Hotel, Portland, Me.

A. S. CAMERON STEAM PUMP WORKS, foot of East 23d St., New York, reports as follows regarding its sales: The Woodward Iron Co. has put in place four more Cameron simplex long stroke, and one regular pattern, pumps for use in unwatering their mines at Woodward, Ala. There are in use in the Woodward Iron Co.'s mines quite a number of Cameron regular pattern, and also of the horizontal plunger type and station pumps. The Montevallo Coal Mining Co., at Aldrich, Ala., have installed another Cameron pipe pattern plunger station pump, and the La Follette Coal & Iron Co., La Follette, Tenn., have also put in place one more regular Cameron piston pump. The Cameron Steam Pump Works are also in receipt of recent orders from the National Soapstone Co., at Variety Mills, Va.; the Ducktown Sulphur, Copper & Iron Co., Isabelle, Tenn.; the Red River Oil Co., Alexandria, La., and the Green Bay Phosphate Co., of Bartow, Fla., for several of their removable bushing pattern pumps, and two of their compound outside packed plunger pumps for station duty, to be operated by compressed air.

THE MEAD-MORRISON MFG. CO., Cambridgeport, Mass., reports that it recently closed a contract for the Metropolitan Works of the Brooklyn Union Gas Co., for coal unloading plant, which will make five plants it has installed for this company. It has also installed a very complete system for the unloading of coal from boats for the Queensboro Gas & Electric Co. This plant consisted of an unloading rig and a shuttle cable road. It has just finished a comprehensive system for unloading their coal, coke and sand from railroad cars and depositing in storage pockets, sheds and piles for the Bridgeport Malleable Iron Co., Bridgeport, Conn., to whom it has also furnished two powerful electric storage battery locomotives for handling their product through their yards and buildings. The M.-M. Mfg. Co. has recently closed a contract with the Interborough Rapid Transit Co., for a coal and ash handling equipment, which includes an unloading tower of the latest type, and four McCaslin conveyors at their 59th St. and North River Power Station. The company has also recently taken contracts for building a very large unloading and storage system at Port Arthur, for the Canadian Northern Dock Co. This will be one of the largest plants every built in the Northwest.

THE B. F. STURTEVANT CO., of Boston, Mass., has taken two orders for heating and ventilating equipment for the Pennsylvania R. R. One was for the new machine shop at Renovo, Pa., which contains nearly 750,000 cu. ft. of space, and requires for its heating to 45 degrees in zero weather, a large steel plate engine-driven fan, with heater, and a system of underground ducts with outlet connections. The other was for the Trenton shops, which include machine and erecting shop, paint shop and planing mill, containing over 4½ million cu. ft. of space, and requiring half a dozen fans with the necessary heaters and systems of distributing pipes. Among other recent orders taken by the B. F. Sturtevant Co., for mechanical draft apparatus, are the following: Dwight Mfg. Co., Chicopee, Mass., 1,850 HP.; Pennsylvania Salts Mfg. Co., Greenwich Point, Pa., battery of boilers and stills; Nashua River Paper Co., East Pepperell, Mass., 1,500 HP.; Paragon Park, Nantasket Beach, Mass., 620 HP.; and Haverhill Electric Co., Haverhill, Mass., 650 HP. The Sturtevant Co. has recently sold for export to Japan, a complete lumber dry kiln equipment, consisting of a steel plate engine driven fan with direct connected heater, and a full outfit of iron work for lumber trucks, tee rails, etc. The company has recently secured the contract for furnishing five complete sets of heating and ventilating apparatus for Allegheny County Jail, Pittsburg, Pa., each set consisting of a plenum fan and exhaust fan, both driven by direct-connected engines and connected with heaters and cooling coils. A large contract for heating and ventilating equipment for the Elgin National Watch Co., Elgin, was recently awarded the B. F. Sturtevant Co., of Boston, Mass. This equipment consists of no less than five sets of hot blast apparatus, each including a fan, engine and heater, and also two special ventilating systems.

For other Proposal Advertisements see pages 35, 36, 37, 38, 39, 40, 41 of Advertisements and Construction News page 10.

HEATING, PLUMBING, ELECTRIC FIXTURES, ETC.

Rome, N. Y.

Sealed proposals suitably endorsed on envelope for Construction, Heating, Plumbing, Electric Light Wiring and Fixtures, for Ward Building J, at the Rome State Custodian Asylum, Rome, N. Y., may be sent by mail or delivered in person up to 12 o'clock, noon, on the 7th day of August, 1905, to James A. Douglass, President of the Board of Managers, of the Rome State Custodian Asylum, Rome, N. Y., when the bids will be opened and read publicly.

Drawings and specifications may be consulted and blank forms of proposal obtained at the Rome State Custodial Asylum, Rome, N. Y., or by application to G. L. Heins, State Architect, in the Capitol at Albany, N. Y.

Contracts will be awarded to the lowest responsible and reliable bidders unless the bids exceed the amount of funds available therefor, in which case the right to reject all bids is reserved.

CHAS. BERNSTEIN,
2-3t Superintendent.

MACADAM PAVING.

Office of Superintendent of Streets and City Engineer.
43 Bridge St., Springfield, Mass., July, 1905.

Sealed proposals, endorsed "Proposals for Pavings," will be received at the office of the City Clerk until Thursday, August 3, 3 o'clock P. M., for the complete laying of about 12,000 square yards of "Bitulithic" or "Bituminous Macadam" pavement.

All proposals must be accompanied by a complete specification of the work to be performed.

A certified check must be deposited with the City Treasurer drawn for the sum of two thousand dollars ($2,000.00) to secure the contract.

Blank form of bid and general information may be obtained of the City Engineer.

The right is reserved to reject any or all bids or to accept any bid.

Per order of the Board of Supervisors of Highways and Bridges.

ARTHUR A. ADAMS,
Supt. of Streets.
CHAS. M. SLOCUM,
City Engineer. 2-2t

GARBAGE COLLECTION AND REDUCTION.

Marion, Indiana, July 11, 1905.

Notice is hereby given that sealed proposals will be received by the Board of Public Works of the City of Marion, Indiana, on and prior to the 25th day of July, 1905, at their office in said city for the collection and reduction for a period of ten or more years of all garbage and dead animals within said city, by the erection of a garbage reduction plant to be operated in a sanitary manner, and in accordance with modern methods for reduction of garbage.

Bidders shall furnish and file with their bids plans and specifications with full details of the method of reduction and collection of garbage and dead animals proposed to be used, together with a certified check in the sum of $500.00 to insure the execution of a contract by the successful bidder.

The Board reserves the right to reject any and all bids.

JNO. O. WILLSON,
2-2t Clerk of Board.

SITUATIONS OPEN

WANTED.—Experienced superintendent, not less than ten years' experience, responsible, charge of public work. Call or write ROOM 6059, Metropolitan Bldg., New York. 2-1t